## INDEX TO VOLUME 28

The asterisk (\*) preceding the page number indicates an original article in the Archives. Subject entries are made for all articles. Author entries are made for original articles and society transactions. Book Reviews, Obituaries and Society Transactions are indexed under these headings in their alphabetical order under the letters B, O and S, respectively.

Abdomen: See also Gastrointestinal Tract: carcinoma cells in thoracic and in abdominal fluids. \*283

carcinoma cells in thoracic and in abdominal fluids, \*283
multiple uterine and extragenital tumors produced by estradiol benzoate, 918
Ablondi, F. B.: Preparation of purified antipneumococcus antibodies, 757
Abnormalities and Deformities: See Acromegaly; and under names of organs and
regions, as Heart, abnormalities; Pharynx,
abnormalities; etc.

Abscess: See under names of organs and

See under names of organs and

Acid, Amino: See Aminoacids Ascorbic: See Vitamins, C Cevitamic: See Vitamins, C Silicic: See under Pneumoconiosis

Acromegaly and arterial tension, 589

Acromegaly and arterial tension, 589
Adamantinoma, rupture of aneurysm into pitultary adamantinoma, 405
Adams, C. O.: Regional fibrocystic disease, 270
Adams, W. E.: Obliteration of pleural space following pneumonectomy, 270
Adenoma, anterior pituitaries of old rats, 265
fetal adenoma of thyroid, 922
hyaline adenoma of cervix, 920
hyperparathyroidism due to parathyroid adenoma with death from parathormone
[parathyroid extract] intoxication, 590
uterine, in rabbit, 917
Adhesions, new formation of elastic tissue in

Adhesions, new formation of elastic tissue in adhesions between serous membranes and in myocardial scars, \*306
Adipose Tissue: See Fat; Lipoma
Adrenalectomy: See Adrenals

Adrenale; See Adrenals
Adrenals; adrenal cortex and hypoglycemia, 763
changes in experimental hyperthyroidism, 257
effect of sex hormones on renal excretion of
electrolytes after adrenalectomy, 91
hemorrhage; acute meningococcic inflammation of adrenals (Waterhouse-Friderichsen
syndrome), 742
hypophysectomy in rat, 256
regeneration of adrenal gland following enucleation, 91
Age, changes produced by estrogen, 914

ge, changes produced by estrogen, 914 Old: See Old Age

postmortem weight of "normal" human spleen at different ages, 742

at different ages, 742
Agglutination, type-specific substance from
group A hemolytic streptococci, 747
Agglutinins: See also Antigens and Antibodies; Blood, groups; Immunity; Undulant
Fever; etc.

development in children with dysentery due to Shigella paradysenteriae Flexner, 418

flocculation of alcoholic red cell extracts by different types of human heterogenetic hemagglutinins, 99 O resistance to VI strains, 748 pneumococcus type XIV and human red cells,

Agglutinogens: See Blood, groups Air Passages: See Respiratory Tract

Alcohol, organic lesions produced by polyvinyl alcohol in rats and rabbits; toxicopatho-logic investigation of experimental thesauro-sis, \*510

Alcoholism: See also Liver, cirrhosis intoxication and resistance to infection, 261 Allergy: See Anaphylaxis and Allergy

Alvarenga prize, 400
Amebiasis, bacterial association in, 746
Ameloblastoma, solid to cystic degeneration in,

American Pharmaceutical Manufacturers' Association, prize, 400
Amerongen prize, 400
Aminoacids in plasma protein formation, 766

Ammonia and Ammonium Compounds, fat emboli in experimental sodium or ammonium hy-droxide poisoning, 908

Amyloidosis, elective insular (para-) amyloidosis of pancreas, 93

or pancreas, 93
Anaphylaxis and Allergy: See also Arthus Phenomenon; Asthma: Tuberculosis; etc.
conditions in skin of tuberculous guinea pigs
as demonstrated with vital dye, 96
effects of anaphylaxis and histamine on heart,

912
fatal anaphylactic shock in man, 409
histologic study of blood cells and blood vessel walls in anaphylactic shock in chick
embryo, 740
Anderson, E. O.: Dissecting aneurysms simulating syphilitic heart disease with aortic
regurgitation, 421
Andrew, W.: Origin and significance of blnucleate Purkinje cells in man, \*821
Andrews, A. H.: Bronchial obstruction produced by cardiovascular anomalies, 271
Androgens, influence on growth and metastasis

Androgens, influence on growth and metastasis of Brown-Pearce epithelioma, \*777
Andrus, W. DeW.: Absorption and utilization of vitamin K; studies in experimental animals and in man, 774

and in man, 774

Anemia, experimental hypoplastic anemia in pigeon and its utilization as basis for biologic assay of specific hemocytopoletic stimuli, 759
histologic investigation into pyloric gland organ in pernicious anemia, 590 nephritis and hemoglobin production in, 589 nutritional cytopenia in monkey, 401 pernicious, gastroscopic observations in, 590 Anesthesia, intoxication and resistance to infection, 261
Aneurysm at base of brain, 908 dissecting aneurysms simulating syphilitic heart disease with aortic regurgitation, 421 medial degeneration of aorta as seen in 12 cases of dissecting aneurysm, \*1 pulmonary arterial aneurysm in tuberculous cavities, 906 rupture into pituitary adamantinoma 465 spontaneous

rupture into pituitary adamantinoma, 405 spontaneous subarachnoid hemorrhage and congenital "berry" aneurysms of circle of Willis, 906 traumatic origin in arteries at base of brain, 907

ioma, pulsating (generalized telangiectasia) of skin associated with hepatic disease, 403 Angioma,

of skin associated with hepatic disease, 403
Angiosarcoma, gemmangioma and its relationship to angiosarcoma, 918
Anthracosis: See Pneumoconiosis
Antibodies: See Antigens and Antibodies
Antigens and Antibodies: See also Agglutinins;
Immunity; Lipoids; Precipitin; and under
specific antigens and reactions, as Bacteria,
abortus and melitense group; Pneumococci;
ste

etc. antibody purification, 595 antibody response to swine influenza, 740 distribution of glycolipoidal antigen among Neisseriae, 764

Antigens and Antibodies—Continued
effect of estrogenic and ovariectomy on normal antibody content of serum of mature
rabbits, 917
photo-oxidation of, 757
soluble antigen of myxoma, 266
surface films of, 596
test of lattice hypothesis with bivalent hap-

test of lattice hypothesis with bivalent hapten, 754
Antiserum: See under names of various diseases Antitoxin: See under Diphtheria; Staphylococci; Tetanus; etc.
Aorta, Aneurysm: See under Aneurysm dissecting aneurysms simulating syphilitic heart disease with aortic regurgitation, 421 etiology of hypertension resulting from coarctation of, \*676
medial degeneration as seen in 12 cases of dissecting aneurysm, \*I medial degeneration; study of 210 routine autopsy specimens by serial block method, \*377
Apparatus, compact dehydrator; new device \*\*

Apparatus, compact dehydrator; new device for dehydrating and embedding tissues, \*538 magnetic electron microscope and its use in

magnetic electron microscope and its use in biology, 417
Appendicitis, experimental proof of obstructive origin in man, 759
purulent peritonitis following appendicitis due to member of typhoid bacillus group, Eberthella oedematiens, de Assis, 122
Aqueous Humor, membrane formation at lipoidaqueous interfaces in tissues; correlation of morphologic and chemical aspects, \*177
Arbesman, C. E.: Effect of specific treatment on serum of patients sensitive to ragweed, 921
Arteries: See also Aneurysm; Aorta; Arterioscierosis; Blood pressure; Blood vessels; Embolism; Periarteritis; etc.
anatomy of pyelonephritic contracted kidneys, 593

arterioles of pancreas, liver, gastrointestinal

arterioles of pancreas, liver, gastrointestinal tract and spleen in hypertension, 404 coronary; effects of anaphylaxis and histamine on heart, 912 coronary; varieties of single coronary artery in man occurring as isolated cardiac anomalies, 92 histologic changes following vascular spasm in central nervous system (pitressin episodes), \*697

See under Kidneys Renal: nsposition of great cardiac vessels with eference to phylogenetic theory of Spitzer, transposition

Arteriosclerosis, 278 coronary artery disease analyzed post mortem,

vascularization of atherosclerotic lesions, 257

Arthritis: See also Rheumatism chronic, in wild mammals, 907 deformans; infarction of bones in caisson deformans; in disease, 260

Arthus Phenomenon, relation of circulating pre-cipitins to, 270 Asbestosis: See Pneumoconiosis

Ashburn, L. L.: New bone formation in mary carcinoma of prostate gland, \*145

Atherosclerosis: See Arteriosclerosis Atrophy: See also under names of organs and

regions of cremaster muscle, \*141
Auieszky's Disease: See Pseudorables
Autopsies, question of right of coroner to authorize autopsy without holding inquest, 602 Avitaminosis: See under Vitamins

BCG: See under Tuberculosis
Bacilli: See Bacteria
Bacteria: See also under Meningococci; Pneumococci; Streptococci; Tubercle Bacilli; Typhoid, bacilli; Viruses; etc.
Abortus and Melitense Group: See also Undulant Fever
abortus and melitense group; antigenic preparations from Brucella melitensis, 913
abortus and melitense group; antigenic surface of smooth Brucella abortus and melitensis, 913

tensis, 913

-Continued

Bacteria-

absorption of bacteriophage by blood cells and bacteria, 746 See Whooping Cough Bordet-Gengou's:

Bordet-Gengou's: See Whooping Cough
Dysentery: See Dysentery
Eberth's: See Bacterla, typhoid group;
Typhoid, bacilli
Fusiformis: See Spirochetosis
Hemophilus: See Whooping Cough
Influenza: See Influenza
Pertussis: See Whooping Cough
Shiga's: See Dysentery
structure of "rough" and "smooth" colonies,
263

263 Typhoid Group: See also Typhoid, bacilli typhoid group; purulent peritonitis following appendicitis due to member of typhoid bacillus group, Eberthelia oedematiens, de Assis, 122

virus and bacterial infection of chick embryo,

606 Bacteriophage, al absorption by blood cells and

bacteria, 746
chemical change during lysis of B. coli, 911
microscopic observations on bacteriophage of
Bacterium coli, 409
acterium: See Bacteria
acterium: Primary intramedullary neuro-

Bacterium: See Bacteria
Balley, F. R.: Primary intramedullary neurofibroma of humerus, \*716
Baker, A. B.: Cerebral lesions in hypoglycemia; experimental investigations, \*298
Bale, W. F.: Excretion of radioactive iron in
dogs, 758
Bauer, J. T.: Use of solid carbon dioxide in
paparation of gross pathologic specimens,

Bauer, J. T.: Use of solid carbon dioxide in preparation of gross pathologic specimens, \*396

C. A.: Production of xanthoma in s, \*163 Baumann.

rabbits, \*1 and thionol in experimental trichthiazine ar inosis, 756

Beit memorial fellowships for medical research,

Belt memorial fellowships for medical research, London, 400

Benda, C. K.: Microscopic study of sphenooccipital synchondrosis in mongolism with
comparison of this growth disorder with
cretinism and chondrodysplasia, 274

Bennett, G. A.: Passage of proteins from vascular system into joints and certain other
body cavities, 755

Passage of type III pneumococci from blood
stream into joints and certain other body
cavities of rabbits, 766

Benzanthracene, effect of 1,2,5,6-dibenzanthracene on growth of yeast, 745
transplantable lymphosarcoma in mice, 412

Benzyvene and transplanted carcinoma, 599
attempts to propagate fowl tumors produced
by benzpyrene and by virus; sites of implantation used: eye of chicken and chorloallantoic membrane of chick embryo, \*212
inflammation and carcinogenesis, 414
monocytic leukemia and other neoglastic dis-

inflammation and carcinogenesis, 414 monocytic leukemia and other neoplastic dismonocytic le eases, 101

eases, lui es, D.: Effect of thorotrast (colloidal thor-lum dioxide) on ependymai lining and re-lated parts of brain, \*49 g, B. N.: Adrenal cortex and hypogly-

lated parts of brain, \*49

Berg, B. N.: Adrenal cortex and hypoglycemia, 763

Bernheim, A. I.: Acute postoperative esophageal, gastric and duodenal ulcerations; further study of pathologic changes in shock, \*129

Bernstein, M.: Aleukemic plasma cell leukemia with hemorrhagic phenomena, 420

Bile Ducts: See also Biliary Tract; Gallbladder effect of repeated transfusions on serum phosphatase of dogs with partial and complete biliary obstruction, 766

Biliary Tract: See also Bile Ducts; Gallbladder: Liver so-called biliary cirrhosis, \*37

Biopsy: See under Brain; Liver

Bittinger, I.: Absorption and utilization of vitamin K; studies in experimental animals and in man, 774

witamin K; studies in experimental annual and in man, 774
Black, J. R.: Vitamin C deficiency and intestinal fusospirochetosis, \*503
Blennorrhea: See Conjunctiva

Blood: See also Erythrocytes; Hemoglobin and Hemoglobin Compounds; Leukocytes absorption of radioactive iron, 758 cells; absorption of bacteriophage by blood cells and bacteria, 746 cells; histologic study of blood cells and blood vessel walls in anaphylactic shock in chick embryo, 749 changes occurring in blood preserved during many weeks and therapeutic effect of such blood, 417 coagulation; rate of thrombin formation in normal and in hemophilic blood, 767

blood, 417
coagulation; rate of thrombin formation in normal and in hemophilic blood, 767
coagulation; role of thromboplastin in blood clotting, 767
Diseases: See also Anemia; Leukemia; etc. diseases, institute on, 90
fats and lipoids; sustained hyperlipemia of dietary origin, 762
Groups: See also Agglutination; Blood, transfusion; Paternity groups; blood subgroups A1 and A2, 416
groups; heredity of subgroups A1 and A2, 597
groups; inheritance of subgroups; inheritance

groups; inheritance of agglutinogens A, B, M and N, 97

M and N, 97
groups; properties in sheep, 100
Parasites: See Malaria
passage of pneumococci into lymphatics, 96
phosphatase, cause of elevation in jaundice, 740
phosphatase; effect of repeated transfusions
on serum phosphatase of dogs with partial
and complete biliary obstruction, 766
pressure, high; acromegaly and arterial ten-

pressure, h

sion, 589
pressure, high; arterioles of pancreas, liver,
gastrointestinal tract and spleen in hypertension, 404
pressure, high; etiology of hypertension resulting from coarctation of aorta, \*676
pressure, high; genesis of renal hypertension,

pressure, high; new method of producing renal insufficiency and hypertension in rabbit,

401
proteins; aminoacids in plasma protein formation, 766
proteins; estimation of plasma and serum
protein; 106
proteins; surface films of antibodies and
antigens, 596
role played by trauma in dissemination of 401

tumor fragments by circulation; tumor studied: Brown-Pearce rabbit epithelioma, stability of ascorbic acid in, 763

\*851
stability of ascorbic acid in, 763
sugar; cerebral lesions in hypoglycemia, 763
sugar; cerebral lesions in hypoglycemia; experimental Investigations, \*298
tests; New Jersey provides for blood tests in paternity cases, 738
transfusion behavior of hemoglobin after blood transfusion, 95
Transfusion Betterment Association of New York City; blood donor bureau, 105
transfusion; effect of repeated transfusions on serum phosphatase of dogs with partial and complete billary obstruction, 766
transfusion in America, 104
Vessels: See also Arteries; Capillaries; Perlarteritis; etc.
vessels; annual Gross lecture; further studies on pathogenesis of vascular disease, 124
vessels; histologic changes following vascular spasm in central nervous system (pitressin episodes), \*697
vessels; histologic study of blood cells and blood vessel walls in anaphylactic shock in chick embryo, 740
Vitamins: See Vitamins
Bloom, F.: Classification and pathology of renal disease in dog; comparison with nephritis in man, \*236
Body build and heart size, 741
Bollman, J. L.: Sustained hyperlipemia of die-

disease in dog; comparison with nephrius in man, \*236
Body build and heart size, 741
Boliman, J. L.: Sustained hyperlipemia of dietary origin, 762
Boncoddo, N.: Effect of repeated transfusions on serum phosphatase of dogs with partial and complete billary obstruction, 766

Bones: See also under names of bones action of estrogen on skeletal tissues of immature guinea pigs, \*340 changes in experimental hyperthyroidism and in exophthalmic goiter, 92 Diseases: See Osteitis; etc. effect of potassium iodide on bone and cartilage in thyroidectomized immature guinea

age in thyroidectomized immature guinea pigs, \*846 rowth; effect of gonadectomy and administration of anterior pituitary extract on cartilage and bone of immature guinea pigs, 739

mailgnant giant cell tumor of, 412
marrow; experimental hypoplastic anemia in
pigeon and its utilization as basis for blologic assay of specific hemocytopoletic

stimuli, 759

marrow; transplantation of tooth germ ele-ments to marrow cavities of tiblas of kit-tens, \*199

tens, \*199
microscopic study of spheno-occipital synchondrosis in mongolism with comparison of this
growth disorder with cretinism and chondrodysplasia, 274
new bone formation in primary carcinoma of
prostate gland, \*145
post-traumatic (but not postfractural) rarefaction of long bones, 114
primary reticulum cell sarcoma of bone, 413
regeneration, 402
regional fibrocystic disease, 270
sarcoma: factors influencing prognosis, 414

sarcoma; factors influencing prognosis, 414 BOOK REVIEWS:

Biology of Bacteria: Introduction to General Microbiology; A. T. Henrici, 425
Cancer with Special Reference to Cancer of Breast; R. J. Behan, 128
Clinique et pathologie comparée. Vénéréologie—cancérologie—dermatoses, médecine générale—phyto-pathologie; L. Bory, 925
Epidemic Encephalitis. Etiology, Epidemiology, Treatment, 927
Etude morphologique et biologique sur les fiagellés intestinaux parasites des Muridés. Etude comparative des fiagellés du Cobaye; L. Morénas, 127
Failure of Circulation; T. R. Harrison, 616
Groupes sanguins. Leur application à la biologie à la médecine et aut droit; L. Hirsz-feld, 127
Handbuch der Virusforschung; edited by R.

feld, 127
Handbuch der Virusforschung; edited by R.
Doerr and C. Hallauer, 925
Lehrbuch der allgemeinen Pathologie und der
pathologischen Anatomie; H. Ribbert, 611
Maladie d'Aujeszky; P. Remlinger and J.
Bailly, 425
Problems of Agelng: Biological and Medical
Aspects; edited by E. V. Cowdry, 280
Recherche de la paternité par les groupes
sanguins. Étude technique et juridique; L.
Christiaens, 927

sanguins. Etude technique et juridique; L. Christiaens, 927 Report of Medical Research Council for Year 1937-1938; 610

1937-1938; 610
Sérum normal. Propriétés physiologiques;
D. Brocq-Rousseu and G. Roussel, 775
Symposium on Synapse; H. S. Gasser, J.
Erlanger, D. W. Bronk, R. Lorente de Nó
and A. Forbes, 926
William B. Wherry, Bacteriologist; M.

Fischer, 281

Books received, 282, 426, 612, 776, 928 Boor, A. K.: Distribution of glycolipoidal antigen among Neisseriae, 764

Bordet-Gengou Bacillus: See Whooping Cough Boyd, W. C.: Test of lattice hypothesis with bivalent hapten, 754 Brain: See also Cerebellum; Meninges; Nervous

rain: See also Cerebendar,
System; etc.
and endocrine glands in old age, 743
Aneurysm: See under Aneurysm
biopsy studies in cerebral changes in schizophrenia and manic depressive psychosis, 259
blood supply; hematoencephailc barrier, 405
cerebral lesions in hypoglycemia; experimental
investigations, \*298

-Continued

rain—Continued
effect of thorotrast (colloidal thorium dioxide)
on ependymal lining and related parts of
brain, \*49
genesis of microglia in human brain, 404
herniation not heretofore described, 259
lesions of nervous system in hyperinsulinism,
276

origin and significance of binucleate Purkinje cells in man, \*821 spontaneous subarachnoid hemorrhage and congenital "berry" aneurysms of circle of willing and Willis, 906

reast, cancer; extra-chromosomal theory of breast cancer in mice, 751 cancer; inhibition of tumors by carcinogens,

600
cancer; tumors in mice, 600
functional activity of mammary gland of rat
in relation to mammary carcinoma, 914
intracapillary microscopic metastatic mammary gland carcinoma of lungs and other
viscera, \*865
mammary gland in high and low tumor strain,
508

mammary gland in high and low tumor strain, 598
synergistic effect of heptylaidehyde and methylsailicylate on spontaneous tumors of mammary gland in mice, 917
Bright's Disease: See Nephritis
Brinkhous, K. M.: Rate of thrombin formation in normal and in hemophilic blood, 767
Bronchi, bronchial obstruction produced by cardiovascular anomalies, 271
cancer; metastatic deposit of bronchial carcinoma in hydrocele misdiagnosed "endothelloma," 104
Bronchitis, infectious, of chicks, \*556
Brotchner, R. J.: Etiology of hypertension resulting from coarctation of aorta, \*676
Brown, C. R.: Multiple plasmoma of lieum and colon, 112
Brucella Abortus; Brucella Melitensis: See
Bacteria, abortus and melitense group
Brucellosis: See Undulant Fever
Brunner's Glands: See Duodenum
Buchbinder, L.: Effects of sojourn in experimentally infected room on mouse virulence

Brunner's Glands: See Duodenum
Buchbinder, L.: Effects of sojourn in experimentally infected room on mouse virulence of strain of group B beta hemolytic streptococcus, 756
Bunting, C. H.: New formation of elastic tissue in adhesions between serous membranes and in myocardial scars, \*306
Bursa, synovial sarcoma in serous bursae and tendon sheaths, 597
Byrne, H. J.: Nature of immunity to Trichomonas foetus infection in rabbits, 761

Caisson Disease, infarction of bones in. 260 Calcification, experimental studies of tissue cal-cification, 741

Calvarium: See Frontal Bone
Canary, Kikuth's canary virus, \*559
Cancer: See also Epithelioma; Sarcoma;
Tumors; etc.; and under names of organs
and regions, as Breast; Bronchi; Intestines;
Kidneys; Liver; Lungs; Prostate; Stomach;

Kidneys; Lurgs; Prostate; Stomach; Uterus; etc.
benzpyrene and transplanted carcinoma, 599 cancer-producing tar from tobacco, 918 carcinogenic and related noncarcinogenic hydrocarbons in tissue culture, 915 carcinogenic effect of papilloma virus, 267 cells in thoracic and in abdominal fluids, \*283 chemoantigens and carcinogenesis, 915 comparative activity of some carcinogenic hydrocarbons, 751 comparison of virus-induced tumors with tar tumors, 916

comparison of

tumors, 916
fect of heat on homologous material from
Brown-Pearce tumor, 761

Brown-Pearce tumor, 761
eosinophilia in malignant tumors, 752
estrogenic hormones and carcinogenesis, 599
fellowships for cancer research, 738
filterable tumors in fowls induced by tar, 918
growth processes induced by estrogenic hormones, 102
in frogs; its etiologic relation to virus and
its habits of growth in vivo and in vitro, 109
in rats treated with estrone, 264

Cancer-Continued

increased susceptibility to Brown-Pearce car-cinoma, 101 fluence of androgens on growth and metastasis of Brown-Pearce epithelioma, \*777 influence

inhibition of tumors by carcinogens, 600 metastases; carcinoma of kidney in leopard frog, 101 metastases; intracapillary microscopic me-

frog, 101
metastases; intracapillary microscopic metastatic mammary gland carcinoma of lungs and other viscera, \*865
mode of inception and lateral spread of certain squamous cell carcinomas, 104
resorption of injected tumor cells of Brown-Pearce carcinoma of rabbits in immunized animals, 919

Pearce carcinoma of raports animals, 919 ole played by trauma in dissemination of tumor fragments by circulation; tumor studied: Brown-Pearce rabbit epithelioma,

vrine extractives in, 750
Cannon, P. R.: Relation of circulating precipitins to Arthus phenomenon, 270
Capillaries: See also Blood vessels
dyes and foreign proteins in normal and malignant tissues, 914
intracapillary microscopic metastatic mamieroscopic metastatic mamieroscopic

ingrant ussues, 914 intracapiliary microscopic metastatic mam-mary gland carcinoma of lungs and other viscera, \*865 passage of proteins from vascular system into joints and certain other body cavities, 755 Carbohydrates: See also Dextrose; Glycogen;

antibody purification, 595 cellular reactions to defatted tubercle bacilli,

polysaccharides from tubercle bacilli, 410 surface films of antibodies and antigens, 596 tuberculin protein and polysaccharide mole-cules, 98

Carbon Dioxide, use of solid carbon dioxide ("dry fee") in preparation of gross patho-logic specimens, "396 Carcinoid: See Stomach Carcinoma: See Cancer Cardiovascular Diseases: See also Blood ves-

sels: Heart

bronchial obstruction produced by cardio-vascular anomalies, 271 ardiovascular System: See Arteries; Blood

vascular anomalies, 271
Cardiovascular System: See Arteries; Blood vessels; Heart; etc.
Cartilage, action of estrogen on skeletal tissues of immature guinea pigs, \*340
causal significance to traumatic ossification of fibrocartilage in tendon insertions, 274
effect of gonadectomy and administration of anterior pituitary extract on cartilage and bone of immature guinea pigs, 739
effect of potassium iodide on bone and cartilage in thyroidectomized immature guinea pigs, \*846
experimental studies of tissue calcification,

rimental studies of tissue calcification,

Casey, A. E.: Effect of heat on homologous material from Brown-Pearce tumor, 761
Cecum, chronic cecal disease of laboratory rats, 758
Cells: See also Blood, cells; Cancer, cells;

ells: See also Blood, cells; Cancer, cells; Neuroglia; Phagocytes and Phagocytosls; Tissue; etc. case of measles in which giant cells were observed in respiratory tract, 747 cytology and histology of thyroid in animals, detection of characteristics.

stection of glutathione in mitochondria and nucleus, 417 detection of

nucleus, 417
disseminated giant cell reaction; possibly prodromal measles, 272
inclusions; cytoplasmic inclusions in engorging tick, 97
inclusions; virus disease of cats, 909
multinucleate epithelial giant cells with inclusion bodies in prodromal measles; report of autopsy, \*386
vitamin A and tumor mitochondria, 266
Cerebellum, medulloblast and medulloblastoma, 404

Cerebrospinal Fluid, effect of sulfapyridine on viability of meningococci in spinal fluid, 920

Cervix: See under Uterus Chemotaxis: See Leukocytes Chemotropism: See Leukocytes Chest: See Thorax Chickenpox; varicella, \*570 Chloroma, porphyrins in biology and pathology, 744

Cholangioma in hepatolithiasis, 605
Cholecystitis: See Gallbladder
Cholera, hog cholera, \*556
Cholesterol: See also Lipoids
determination of cholesterol and cholesterol
esters in tissues by Schoenhelmer-Sperry
method 744

determination of cholesterol and cholesterol esters in tissues by Schoenheimer-Sperry method, 744 production of xanthoma in rabbits, \*163 Chondrodysplasia, microscopic study of sphenoccipital synchondrosis in mongolism with comparison of this growth disorder with cretinism and chondrodysplasia, 274 Chondromyxosarcoma, case of, 924 Chorloangioma of placenta, 418 Chorlomeningitis: See Meningitis Chorold Plexus, papillary tumor in newborn infant, \*390 Circle of Willis: See under Brain

Choroid Piexus, papillary tumor in newborn infant, \*390
Circle of Willis: See under Brain
Coccidioides, studies in metabolism of Coccidioides immitis (Stiles), 262
Cod Liver Oil, studies in lipid pneumonia; lipid pneumonia due to cod liver oil; lipid pneumonia due to liquid petrolatum, \*613
Cogswell, T. G.: Traumatic epithelial cysts, 275
Colchicine, action on transplanted malignant neoplasm, 264
Cold: See also Temperature
studies on sex ratio; (a) metabolic gradient

Cold: See also Temperature studies on sex ratio; (a) metabolic gradient as conditioning factor; (b) sex ratio and resistance, 272
Colds: See Respiratory Tract, diseases
Colitis, ulcerative, etiology of, 745
Colmers, R. A.: Acquired parasternal diaphragmatic hernia on right, 118
Colon: See also Gastrointestinal Tract; Intestines

tines
multiple plasmoma of ileum and colon, 112
Coman, D. R.: Studies on chemotaxis; nature
of substances attracting or repelling silme
mold, 759
Communicable Diseases: See Measles; Meningitis; Syphills; etc.
Concussion: See under Brain
Conjunctiva, inclusion blennorrhea, \*556
Cor Biloculare: See Heart, abnormalities
Cornea, corneal vascularization in riboflavin
lack, 402

Cor Biloculare: See August Cornea, corneal vascularization in riboflavin lack, 402
Cornell, V. H.: Undifferentiated small cell carcinoma of small intestine, 923
Coronary Arteries: See Arteries, coronary
Coroner, medical examiner for Maryland, 255
Coryza: See Respiratory Tract, diseases
Cranlopharyngioma, suprasellar tumor in dog, 267

Cranium: See also Frontal Bone: Occipital

Bone micraniosis, 592

hemicraniosis, 592
injuries; traumatic origin of aneurysms in
arteries at base of brain, 997
Cretinism, microscopic study of spheno-occipital
synchondrosis in mongolism with comparison of this growth disorder with cretinism
and chondrodysplasia, 274
thyroid gland of cretin at birth, 261
Cysteine, Therapy: See under Tumors
Cysts: See also under names of organs and
regions, as Lungs; etc.
traumatic epithelial cysts, 275

Davis, H. A.: Influence of living omental and muscle grafts on kidney, 767 Davis, L.: Effect of various endocrine principles on explanted embryonal heart muscle, 762 Death, ependymal cysts causing sudden death, 268

268
de Eds, F.: Effect of sulfanllamide, phenothiazine and thionol in experimental trichinosis, 756
Dehydrator, compact; new device for dehydrating and embedding tissues, \*538
Dementia Praecox, biopsy studies in cerebral changes in schizophrenia and manic depressive psychosis, 259

Dennis, C.: Experimental proof of obstructive origin of appendicitis in man, 759
Dextrose: See also Blood sugar; Carbohydrates fermentable sugars (dextrose and fructose) in pericardial fluid, 69
Diabetes Mellitus: See also Blood sugar; Insulin pancreas, hypophysis and thyroid in children of diabetic mothers, 405
Diaphragm, trichinosis in Cleveland; postmortem examination of diaphragms and skeletal muscles from 100 consecutive autopsies, 408
Diathermy, changes in prostate caused by high frequency current, \*371
Dibenzanthracene: See Benzanthracene
Digestive Tract: See Gastrointestinal Tract; Intestines; Stomach; etc.
Diphtheria, reactions between diphtheria toxin and antitoxin. 596
Directory of Medical Specialists, 905
Doan, C. A.: Experimental hypoplastic anemia in pigeon and its utilization as basis for biologic assay of specific hemocytopoietic stimuli, 759
Donors: See Blood transfusion

biologic assay of specific hemocytopoietic stimuli, 759
Donors: See Blood transfusion
Downey, R. A.: Pancreatogenous steatorrhea in infant, 419
Dropsy, Fetal: See Fetus, pathology
Drucker, G. A.: Papillary tumor of chorold plexus in newborn infant, \*390
Dry Ice: See under Carbon Dloxide
Duodenum, histologic investigation into pyloric gland organ and Brunner's glands in pernicious anemia, 590
Ulcer: See Peptic Ulcer
Dura Mater, aubdural or intradural hemorrhages! \*808
Dyes: See also Stains and Staining and foreign proteins in normal and malignant tissues, 914
Dysentery, Amebic: See Amebiasis development of agglutinins in children with dysentery due to Shigella paradysenteriae Flexner, 418
Dysgerminoma of testicles, 272

Dysgerminoma of testicles, 272

Eberthella: See Bacteria, typhold group Economic Conditions, coronary artery disease analyzed post mortem, 403
Ectromelia, \*547
Edema: See under names of organs and regions Eggs, effect of temperature on development of chick embryo, 422
Ehrlich, J. C.: Anitschkow "myocyte," \*361
Elastin: See Tissue, connective Electrolytes, effect of electrolyte disturbance on resistance to histamine, 765
Electron: See Radioactivity
Elton, N. W.: Hyaline adenoma of cervix, 920
Spirochetal jaundice in Buffalo, 121
Embolism, fat emboli in experimental sodium or ammonium hydroxide poisoning, 908
Embryology: See Eggs: Fetus; Teratoma
Encephalitis: See also Encephalomyelitis human encephalitis; 407
Japanese B encephalitis, \*548
pregnancy and immunity to St. Louis encephalitis; 748
relation of human encephalitis to encephalomyelitis in horses. 407

encepase B encephanus,
pregnancy and immunity to St. Louis
cephalitis, 748
relation of human encephalitis to encephalomyelitis in horses, 407
response of immunized mice to reinoculation
with virus of St. Louis encephalitis, 410
St. Louis encephalitis, 549
Encephalomyelitis, disseminated, of dog, \*151
equine, \*550
human encephalitis; 8 fatal cases with 4 fir
which disease was due to virus of equine numan encephalitis; 8 fatal cases with 4 in which disease was due to virus of equine encephalomyelitis, 407 louping ill, \*559; relation of human encephalitis to encephalomyelitis in horses, 407 Endocarditis lenta, experimental transmission of, 121 grupal fallomics.

Endocarditis lenta, experimental transmission of, 121 mural, following pulmonary suppuration, 423 Endocardium: See Heart Endocrine Glands: See also Hormones and brain in old age, 743 effect of various endocrine principles on explanted embryonal heart muscle, 762

Endothelioma, metastatic deposit of bronchial carcinoma in hydrocele misdiagnosed "en-dothelioma," 104 Endothelium: See also Reticuloendothelial Sys-

Enzymes, disaggregation of proteins by enzymes,

95
fermentable sugars (dextrose and fructose)
in pericardial fluid, 604
Eosinophilia in malignant tumors, 752
Eosinophilis: See also Leukocytes
chemotropism of human eosinophilic polymorphonuclear leukocytes, \*318
Ependyma, cysts causing sudden death, 268
Epididymis, filariasis of testicle and epididymis,

Epithelioma, influence of androgens on growth and metastasis of Brown-Pearce epithe-

nneuroma, innuence of androgens on growth and metastasis of Brown-Pearce epithe-lioma, \*777 lie played by trauma in dissemination of tumor fragments by circulation; tumor studied; Brown-Pearce rabbit epithelioma, \*851

\*851
Epituberculosis: See Tuberculosis, pulmonary
Epulls: See under Tumors
Erythrocytes: See also Anemia; Hemoglobin
and Hemoglobin Compounds; Hemolysis; etc.
effect on red cells in rat fetus of gastric
juice administered during pregnancy, 739
human elliptic red corpuscles, 260
pneumococcus type XIV and human red cells,
596

Esophagus, acute postoperative esophageal, gas-tric and duodenal ulcerations; further study of pathologic changes in shock, \*129 Estradiol Benzoate: See Estrogens Estrogenic Substances: See Estrogens; Hor-

mones, sex
Estrogens: See also Hormones, sex; Pregnancy,
urine in
action on skeletal tissues of immature guinea
pigs, \*340

action on skeletal tissues of immature guinea pigs, \*340 benign enlargement of prostate, 423 cancer in rats treated with estrone, 264 changes produced by, 914 effect of estrogenic and ovariectomy on nor-mal antibody content of serum of mature rabbits, 917 estrogenic hormones and carcinogenesis, 599 growth, processes induced by estrogenic hor-

estrogenic hormones and carcinogenesis, 599 growth processes induced by estrogenic hormones, 102 increased resistance to vaccinia due to treatment with estrogen, 755 malignant tumors following prolonged administration of estrogenic hormones, 416 multiple uterine and extragenital tumors produced by estradiol benzoate, 918 Estrone: See Estrogens Examiner, medical, for Maryland, 255 Exophthalmos, spontaneous, occurrence in adult

Exophthalmos, spontaneous, occurrence in adult guinea pigs, 758

s. spontaneous ophthalmic mutation in lab-oratory mouse, \*171

Failot's Tetralogy: See Heart, abnormalities Farber, S.: Transposition of great cardiac vessels with reference to phylogenetic theory of Spitzer, \*427

Fat: See also Lipoids cancer in digestive tract from ingestion of fat oxidized by heat, 918

excretion through kidneys; experimental

excretion th

study, \*668 Favre-Nicolas' Disease: See Lymphogranuloma Venereum

Feces, fat in; pancreatogenous steatorrhea in infant, 419 Fellowships, Beit memorial fellowships for med-ical research, London, 400

ical research, London, 400
for cancer research, 738
medical, 905
Ferments: See Enzymes
Fetus: See also Pregnancy
effect on red cells in rat fetus of gastric
julce administered during pregnancy, 739
fetal adenoma of thyroid, 922
fetal pericarditis, \*248
pathology; genesis of congenital hydrops, 94
Fever: See also Malaria; Temperature; Typhold;
Typhus; etc.

Typhus: etc.

Fever—Continued prolonged hyperpyrexia with necropsy, 120 Therapy: See under Rabies Undulant: See Undulant Fever Fibroblastoma, perineurial, rather than schwannoma; "direct staining" evidence against Schwann cell origin, 771 Fibroma of rabbit, \*564 virus infection in tarred rabbits, 267 Filariasis of testicle and epididymis, 922 Fishback, D.: Aleukemic plasma cell leukemia with hemorrhagic phenomena, 420 Flocculation Test: See Serodiagnosis Flock, E. V.: Sustained hyperlipemia of dietary origin, 762 Fluids, carchoma cells in thoracic and in abdominal fluids, \*283

Fluids, carcinoma cells in thoracic and in abdominal fluids, \*283
Foot, N. C.: Case of rhabdomyosarcoma of fundus uteri, 770
Foot and Mouth Disease, \*550
Fowi Plague, \*552
Newcastle disease, \*561
Fowlpox, avian pox, \*545
Fox, H.: Alfred Stengel, 251
"Silent," so-called primary tuberculosis of spleen, 422
Francis, T., Jr.: Nasal reaction of ferret to In-

spieen, 422
Francis, T., Jr.: Nasal reaction of ferret to in-fection with virus of epidemic influenza, 107
Frei Reaction: See Lymphogranuloma Venereum Friderichsen-Waterhouse Syndrome: See Ad-

Friderichsen-Waterhouse Syndrome: See Adreronals, hemorrhage
Frisch, A. W.: Sputum studies in pneumonia; effect of sulfanliamide, 756
Frontal Bone, histologic study of reparation of experimentally produced defects in calvariums of rats. \*313
Fructose: See Levulose
Fuller, Anna Fuller prize, 255
Fungi, studies on chemotaxis; nature of substances attracting or repelling slime mold, 759
Fusospirochetosis: See Spirochetosis

Gail, L. S.: Progress in study of typhoid bacil-lus, \*71; correction, 426

Gallbladder: See also Bile Ducts; Biliary Tract experimental cholecystitis, 91 Hodgkin's disease with invasion of pericardium

and gallbladder; review of literature and report of case with autopsy, \*58 Gastric Ulcer: See Peptic Ulcer

dastrointestinal Tract: See also Colon; Intes-tines; Stomach; etc. detection of virus of pollomyelitis, 262

Gastroscopy: See Stomach

Genmangioma and its relationship to angiosar-coma, 918
Genitals: See under names of genitals, as Vagina; etc.
Gibson, W. R.: So-called biliary cirrhosis, \*37
Glia: See Neuroglia

Glioma, structural development of, 264 transitional, 750 Globin: See Hemoglobin and Hemoglobin Com-

Globin: See Hemoglobin and Hemoglobin Compounds
Glomerulonephritis: See under Nephritis
Glomus Tumor: See Tumors
Glutathione, detection in mitochondria and nucleus, 417
Glycogen, distribution of glycolipoidal antigen among Neisseriae, 764
Goiter: See also Thyroid
exophthalmic; bone changes in experimental hyperthyroidism and in exophthalmic goiter, 92
exophthalmic; history of thyroid in exoph-

exophthalmic; history of thyroid in exophthalmic golter and hyperthyroidism. \*870
geographic pathology of toxic golter, \*881
relationship between diffuse colloid golter and
exophthalmic golter, \*894
Gonadotropic Substances: See Hormones, sex
Gonads: See Endocrine Glands; Hermaphroditism; Ovary; Testicles
effect of gonadectomy and administration of
anterior pituitary extract on cartilage and
bone of immature guinea pigs, 739
Gonococci, distribution of glycolipoidal antigen

oone or immature guinea pigs, 739
Gonococci, distribution of glycolipoidal antigen
among Neisseriae, 764
experimental infection of mice with gonococcus, 764

Gonococci—Continued

Gonococci—Continued
fetal pericarditis, \*248
Goodale, R. H.: Traumatic epithelial cysts, 275
Goodpasture, E. W.: Virus and bacterial infection of chick embryo, 606
Gouley, B. A.: Dissecting aneurysms simulating
syphilitic heart disease with aortic regurgitation, 421
Gowen, J. W.: Spontaneous ophthalmic mutation in laboratory mouse, \*171
Gowing, J.: Cervical polyps in both of presumably identical twins, \*246
Graafan Follicle: See also Estrogens
normal and pathological developments from
cells lining graafan follicle, 103
Graef, I. G.: Studies in lipid pneumonia; lipid
pneumonia due to cod liver oil; lipid
pneumonia due to liquid petrolatum, \*613
Grams, L. R.: Intracapillary microscopic
metastatic mammary gland carcinoma of
lungs and other viscera, \*865
Granuloma, Coccidioidal: See Coccidioides
Graves' Disease: See Goiter, exophthalmic
Greenberg, L. D.: Stability of ascorbic acid in
blood, \*763
Greene, H. S. N.: Heterologous transplantation
of rabbit tumors, \*762
Spontaneous tumors of rabbits and their
transplantation in same and in alien speccies, 115
Gross, H.: Sclerosis of superior vena cava in

transplantation is clear transplantation in the clear transplantation is clear transplantation in the chronic congestive heart failure, \*22 Gross, P.: Primary intramedullary neurofibroma of humerus, \*716 Growth, action of estrogen on skeletal tissues of immature guinea pigs, \*340 hydantoinate;

immature guinea pigs, \*340 Gruhzit, O. M.: Sodium diphenyl hydantoinate; pharmacologic and histopathologic studies, 761

Gull's Disease: See Myxedema
Gums, aleukemic plasma cell leukemia with
hemorrhagic phenomena, 420
morphology of epulis, 268
sarcomatous epulis, 601

von Haam, E.: Effect of various endocrine principles on explanted embryonal heart muscle, 762

762

Haemophilus Pertussis: See Whooping Cough

Hahn, P. F.: Absorption of radioactive iron, 758

Handler, B. J.: Sclerosis of superior vena cava
in chronic congestive heart failure, \*22

Haptens: See Antigens and Antibodies

Harrell, G. T.: Hodgkin's disease with invasion
of pericardium and gallbladder; review of
literature and report of case with autopsy,
\*58

Harris, J. S.: Transposition of great cardiac vessels with reference to phylogenetic theory of Spitzer, \*427
Harvey, R. A.: Influence of androgens on growth and metastasis of Brown-Pearce epithelioma, \*777
Role played by

ole played by trauma in dissemination of tumor fragments by circulation; tumor studied: Brown-Pearce rabbit epithelioma, \*851

\*851
Hass, G. M.: Membrane formation at lipoidaqueous interfaces in tissues; correlation
of morphologic and chemical aspects, \*177
Hawk, W. D.: Experimental infection of mice
with gonococcus, 764
Hay Fever: See also Anaphylaxis and Allergy
effect of specific treatment on serum of
patients sensitive to ragweed, 921
Heart: See also Endocarditis; etc.
abnormalities: pulmonary atresia and "tetral-

abnormalities; pulmonary atresia and "tetral-ogy of Fallot," 119 abnormalities; true cor biloculare in identical

abnormalities; true cor biocutare in identical twins, 590
Anitschkow "myocyte," \*361
cardiac lesions in rabbits produced by filtrable virus (virus III), \*827
changes in liver in chronic passive congestion,

diffuse endocardial thickening in infants, disease; dissecting aneurysms simulating syphilitic heart disease with aortic regur-gitation, 421 simulating -Continued

effects of anaphylaxis and histamine on, 912 failure; sclerosis of superior vena cava in chronic congestive heart failure, \*22 muscle; effect of various endocrine principles on explanted embryonal heart muscle, 762 new formation of elastic tissue in adhesions between serous membranes and in myocardial scars. \*206

dial scars. \*306

size and body build, 741 transposition of great ansposition of great cardiac vessels with reference to phylogenetic theory of Spitzer, \*427

tumors of heart and pericardium, 749

Heat: See also Temperature
effect on homologous material from BrownPearce tumor, 761
studies on sex ratio; (a) metabolic gradient
as conditioning factor; (b) sex ratio and
resistance, 272
Hellwig C, 242
Histology of thereid in

Hellwig, C. A.: Histology of thyroid in exophthalmic goiter and hyperthyroidism, \*870

Helpern, M.: True hermaphroditism, 768

Hemagglutinins: See Agglutinins Hematoencephalic Barrier: See Brain, blood

Hematoma, Subdural: See under Meninges Hemicraniosis: See Cranium

Hemoglobin and Hemoglobin Compounds: See also Anemia; Blood; Erythrocytes; Hemolysis

behavior of hemoglobin after blood trans-fusion, 95

Hemolysis, peculiar type produced by Staphylo-coccus aureus (hemophagie staphylococcique de Muller), 595

Hemophilia, rate of thrombin formation in nor-mal and in hemophilic blood, 767 Hemorrhage: See Adrenals; Hemophilia; Pur-pura; etc.

pura; etc. Subarachnoid: See under Meninges

Hepatolithiasis: See under Liver Heptylaldehyde, Therapy: See under Breast

Heptylaldehyde, Therapy: See under Breast
Herman, J. R.: Attempts to propagate fowl
tumors produced by benzpyrene and by
virus; sites of implantation used: eye of
chicken and choricallantoic membrane of
chick embryo, \*212
Hermaphroditism, true, 768
Hernia, acquired parasternal diaphragmatic
hernia on right, 118
of abdominal viscera through normal orifices
of diaphragm, 743
Herpes simplex, \*554
virus, merphology of, 415

or diaphragm, 143
Herpes simplex, \*5554
virus, morphology of, 415
zoster, \*555
Hettig, R. A.: Excretion of radioactive iron in
dogs, 758
Virus Francy Currents, See Diathorny

High Frequency Currents: See Diathermy Hirsch, E. F.: Causal significance to traumatic ossification of fibrocartilage in tendon in-

ossification of fibrocartilage in tendon in-sertions, 274
Histamine, effect of electrolyte disturbance on resistance to, 765
effects of anaphylaxis and histamine on heart,

912
Hodgkin's Disease: See Lymphogranuloma
Holinger, P.: Bronchial obstruction produced by
cardiovascular anomalies, 271
Holley, E.: Chorloangloma of placenta, 418
Fermentable sugars (dextrose and fructose)
in parleardial full 664

ley, E.; Unorloangioma or placenta, 418
ermentable sugars (dextrose and fructose)
in pericardial fluid, 604
ker, S. B.: Test of lattice hypothesis with
bivalent hapten, 754
mones, Sex: See also Androgens; Endocrine
Glands; Estrogens; Pituitary Preparations;
Pregnancy, urine in; etc.
ex, effect on renal excretion of electrolytes, Hormones, Sex:

ghton, B. C.: Experimental hypoplastic anemia in pigeon and its utilization as basis for biologic assay of specific hemo-cytopoletic stimuli, 759 Houghton,

bard, R. S.: Fermentable sugars (dextrose and fructose) in pericardial fluid, 604 Hubbard,

Hueper, W. C.: Organic lesions produced by polyvinyl alcohol in rats and rabbits: toxicopathologic investigation of experimental thesaurosis, \*510

Humerus, primary intramedullary neurofibroma of, \*716

Hunter, O. R.: Patel and the polytopic produced by the produced by the polytopic produced by the poly

of, \*716 Hunter, O. B.: Fetal adenoma of thyroid, 922 Hyaline adenona of cervix, 920 Hydrocarbons, carcinogenic and related non-carcinogenic hydrocarbons in tissue culture,

comparative activity of some carcinogenic hydrocarbons, 751 ydrocele, metastatic deposit of bronchial

Hydrocele. Hydrocele, metastatic deposit of bronch carcinoma of hydrocele misdiagnos "endothelioma," 104
Hydrophobia: See Rables
Hydrops: See Fetus, pathology
Hyperglycemia: See Blood sugar
Hyperparathyroidism: See under Parathyroid misdiagnosed

hyperparathyrounsm: See under Parathyrold
Hyperpyrexla: See Fever
Hypersensitiveness: See Anaphylaxis and Allergy
Hypertelorism (Greig), 94
Hypertension: See Blood pressure, high
Hyperthyroldism: See Golter, exophthalmic;
Thyrold
Hypertenby: See under names of organic and Hypertrophy: See under names of organs and regions, as Prostate; etc. Hypoglycemia: See Blood sugar Hypophysis: See Pituitary Body

Icterus: See Jaundice

Ide, A. G.: Role played by trauma in dissemina-tion of tumor fragments by circulation; tumor studled: Brown-Pearce rabbit epithelioma, \*851

epitheiloma, \*851

Ileum: See Intestines

Immunity: See also Anaphylaxis and Allergy;

Antigens and Antibodies; Blood groups;

Streptococci; Tuberculosis; etc.

chemical nature of factors producing

Shwartzman phenomenon, 744

further investigations on pathogenesis of hemorrhagic necrofic lesions in intradermal

pneumococcic infection of rabbits, 123

Industrial Diseases, laboratory infection with

Industrial Diseases, laboratory infection with lymphocytic choriomeningitis, 911
Infantile Paralysis: See Pollomyelitis

Infants, newborn, papillary tumor of choroid plexus in, \*390 Infarction: See under Intestines Infection: See Immunity; Viruses; and under names of bacteria, as Staphylococci; Strep-

mococci; Strep-mococci; Typhoid; etc. Inflammation, mechanism

inflammation, 760 uenza, \*557

inflammation, 100
Influenza, \*557
antibody response to swine influenza, 740
epidemic influenza virus, 263, 408
nasal reaction of ferret to infection with
virus of epidemic influenza, 107
observations on children with influenzal meningitis who were treated with specific serum,
evilfanilamide and sulfapyridine, 603 sulfanilamide and sulfapyridine, 603 virus, propagation in guinea pig fetus, Ingraham, E. S.: Chemotropism of

raham, E. S.: Chemotropism of human eosinophilic polymorphonuclear leukocytes, \*318

rites: See Trauma; and under names or organs and regions, as Brain; Cranium; etc anity, blopsy studies in cerebral changes in schizophrenia and manic depressive psy-Injuries:

chosis, 259
Instruments: See Apparatus
Insulin: See also Diabetes Mellitus; Pancreas
cerebral lesions in hypoglycemia; experimental investigations, \*298
lesions of nervous system in hyperinsulinism,

276

Internal Secretions: See Endocrine Glands Intersexuality: See Hermaphroditism Intestines: See also Colon; Duodenum; Gas-trointestinal Tract

cellular reactions in skin, lungs and intestine after infection with Nippostrongylus muris, 749

Intestines-Continued

Diseases: See Dysentery genesis of infarction, \*323 isolated lymphogranulomatosis of small intes-

tine, 753
multiple plasmoma of lleum and colon, 112
undifferentiated small cell carcinoma of small intestine, 923 virus disease of cats, 909

vitamin C deficiency and intestinal fuso-spirochetosis, \*503 toxication: See Alcoholism

Intoxication: See Alcoholism Intranuclear Inclusions: See under Cells Iodine and Iodine Compounds, effect of p sium iodide on bone and cartilage in potas roidectomized immature guinea pigs, Iron, absorption of radioactive iron, 758

excretion of radioactive iron in dogs, Irradiation: See Roentgen Rays; an names of diseases and organs 758 under and

Jacobs, M. B.: Dysgerminoma of testicle, 272 Jacobson, S. A.: Histologic study of reparation of experimentally produced defects variums of rats, \*313

Jacox, H. W.: Primary intramedullary neuro-fibroma of humerus, \*716

Jaffe, H. L.: Post-traumatic (but not post-fractural) rarefaction of long bones, 114 Jamieson, W. A.: Combined therapy for pneu-Jamieson, W. A.: Combined therapy for primococcic infections of rat; rabbit a pneumococcus serum and sulfapyridine [paraaminobenzenesulfonamido] - pyridine), 755

755
Jaundice, cause of elevation of serum phosphatase in, 740
spirochetal, in Buffalo, 121
Jennings, W. P.: Recurrent benign prostatic
hypertrophy associated with carcinoma, 421
Jessup, D. S. D.: Xeroderma pigmentosum, 118
Jones, B. F.: Chronic cecal disease of laboratory rats, 758
Jurisprudence, Medical: See also Alcoholism; etc.
question of right of coroner to authorize
autopsy without holding inquest, 602

Kahn Test: See Syphilis Kelley, R. W.: Fetal pericarditis, \*248 Kidneys, anatomy of pyelonephritic contracted

kidneys, 593 carcinoma in frogs; its etiologic relation to virus and its habits of growth in vivo and

virus and its habits or growth in vivo and in vitro, 109 carcinoma in leopard frog, 101, 413 Diseases: See also Nephritis; Pyelonephritis diseases; classification and pathology of renal disease in dog; comparison with nephritis in man, \*236

in man, \*236 diseases; subacute and chronic glomerulone-phritis, 257 fat excretion through kidneys; experimental study, \*668 function as affected by experimental leading to the study of the s

of 1 kidney, 256 enesis of renal hypertension, 588

Glomerulonephritis: See under Nephritis incidence and significance of healed miliary tubercles in liver, spleen and kidneys, \*331 influence of living omental and muscle grafts on kidney \*227

influence of living omental and muscle grafts on kidney, 767
new method of producing renal insufficiency and hypertension in rabbit, 401
trypsin injection into renal arteries, 401
King, L. S.: Disseminated encephalomyelitis of dog, \*151
Kirshbaum, J. D.: Dysgerminoma of testicle, 272
Kilne, B. E.: Production of xanthoma in rabbits, \*163
Knee, nessees of type, III, pneumococci, from

bits, \*163
Knee, passage of type III pneumococci from
blood stream into joints and certain other
body cavities of rabbit, 766
Koch, F. L. P.: Spontaneous ophthalmic mutation in laboratory mouse, \*171
Koch's Bacillus: See Tubercle Bacilli
Kochaklan, C. D.: Influence of androgens on
growth and metastasis of Brown-Pearce
epithelioma, \*777

Laboratories, laboratory infection with lymphocytic choriomeningitis, 911

Lantern Slides, simple method of preparing Lantern Sides, simple method of preparing lantern slides of histologic specimens in 2 colors, \*398

Lapan, B.: Anitschkow "myocyte," \*361

Larson, C. P.: Multiple meningloma with sarcomatous transition in 1 nodule, \*861

Laryngotracheitis: See Respiratory Tract, discases

carcinoma, radiosensitive and non-osensitive, 103 Larynx,

radiosensitive, 103

Lawrence, J. S.: Effect of experimental neutropenia on healing of wounds, \*32

T.: Subdural or intradural hemorrhages?

Leiomyoma of oral cavity, 101

Lelomyoma of oral cavity, 101
Leprosy, murine and human leprosy, 406
Leukemia: See also Chioroma
aleukemic plasma cell leukemia with hemorrhagic phenomena, 420
fowl leukosis, \*551
lymphosarcoma cell leukemia, 102
monocytic, and other neoplastic diseases, 101
monocytic; neoplasm of monocytes, 266
Leukocytes: See also Blood, cells; Eosinophils;
Leukemia; Lymphocytes; Mononucleosis;
Phagocytes and Phagocytosis; etc.
chemotropism of human eosinophilic polymorphonuclear leukocytes, \*318

morphonuclear leukocytes, \*318
unt; effect of experimental neutropenia on
healing of wounds, \*32 count

morphatactar morphatactar morphatactar count; effect of experimental neutropenia on healing of wounds, \$32 count; mechanism of leukocytosis with inflammation, 760 count; virus disease of cats, 909 nutritional cytopenia in monkey, 401 studies on chemotaxis; nature of substances attracting or repelling slime mold, 759 Leukocytosis: See Leukocytes, count Leukosis: See Leukocytes, count Leukosis: See Leukocytes, count Leukosis: See Leukocytes, dextrose and fructose) in pericardial fluid, 604 Leydig Cells: See under Testicles Liber, A. F.: Multiple plasmoma of ileum and colon, 112 Light: See Ultraviolet Rays Lipemia: See Blood, fats and lipoids: Fat;

emia: See Blood, fats and lipoids ids: See Blood, fats and lipoids; Fat; Lipids:

Lipoids |poids: See also under Cholesterol; Fat; etc. | cellular reactions to defatted tubercle bacilli,

ellular reactions to tuberculoproteins, 96 distribution of glycolipoidal antigen among Nelsseriae, 764 membrane formation at lipoid-aqueous Interfaces in tissues; correlation of morphologic and chemical aspects, \*177 reactions to tuberculoproteins and tuberculophosphatide, 410 studies in lipid pneumonia; lipid pneumonia due to cod liver oil; lipid pneumonia due to liquid petrolatum, \*613 tuberculous allergy without infection, 595 ipoma, embryonal, histologic diagnosis of, 601 liver: See also Billary Tract

Lipoma, embryonal, histologic diagnosis of, 601 Liver: See also Biliary Tract aspiration for removal of biopsy material from liver, 752 central necrosis of, 593 changes in chronic passive congestion, 259

changes in chronic passive congestion, 259 cholangioma in hepatolithiasis, 665 cirrhosis, changes in spleen in, 592 cirrhosis; so-called biliary cirrhosis, \*37 incidence and significance of healed miliary tubercles in liver, spleen and kidneys, \*331 primary carcinoma of, \*223 pulsating angloma (generalized telanglectasia) of skin associated with hepatic disease, 403 Loeffler, L.: Genesis of infarction, \*323 Loesch, J.: Primary carcinoma of liver, \*223 Long, E. R.: Accepted and disputed concepts in pathology of pulmonary tuberculosis, \*719 Lord, J.: Absorption and utilization of vitamin K; studies in experimental animals and in man, 774

man, 774
Louping III: See Encephalomyelitis

Lubinsky, G.: Compact dehydrator; new device for dehydrating and embedding tissues, \*538 Lucké, B.: Carcinoma in frogs; its etiologic relation to virus and its habits of growth in

vivo and in vitro, 109 gs: See also Pieura; Respiratory Tract; Thorax; etc. sociation of silicosis and carcinoma of lung,

blood vessels in, 93

carcinoma of, 599 cellular reactions in skin, lungs and intestine after infection with Nippostrongylus muris, 749

ongenital cystic disease of, 591 brosis of, 742

fibrosis of, 742 intracapillary microscopic metastatic mam-mary gland carcinoma of lungs and other

mary guand viscera, \*865 mural endocarditis following pulmonary sup-puration, 423 obliteration of pleural space following pneu-monectomy, 270

119

Tuberculosis: See Tuberculosis, pulmonary tumor development in resistant strain of mice, 411 Lymph, passage of pneumococci into lymphatics,

viability in "devascularized" lymph nodes, 256 Lymph Nodes: See also Lymphogranuloma; Lymphosarcoma; etc.

Lymphosarcoma; etc.
lymph node metastasis of sarcoma, 598
Lymphatic System: See also Lymph Nodes
passage of proteins from vascular system into
joints and certain other body cavities, 755
Lymphocytes: See also Leukemia; Leukocytes
antilymphocytic serum, 99
in Meningitis: See under Meningitis
Lymphogranuloma, Hodgkin's disease with invasion of pericardium and galibladder: review
of literature and report of case with autopsy, \*58
isolated lymphogranulomatosis of small intes-

topsy, \*58 isolated lymphogranulomatosis of small intes-

tine, 753 Lymphogranuloma Venereum, \*559 tumors and lymphogranuloma virus, 601

virus of, 747 Lymphosarcoma cell leukemia, 102 generalized, of more than 9 years' duration,

transplantable, in mice, 412 Lysins: See Bacteriophage; Hemolysis

MacCallum, J. D.: Cholangioma in hepato-lithiasis, 605 McDearman, S.: Increased resistance to vac-cinia due to treatment with estrogen, 755 McDonald, J. R.: Atrophy of cremaster muscle,

\*141
Mackiln, M. T.: Cervical polyps in both of presumably identical twins, \*246
McNaught, J. B.: Effects of sulfanilamide,
phenothiazine and thionol in experimental
trichinosis, 756
MacNeal, W. J.: Experimental transmission of
endocarditis lenta, 121
Prolonged hyperpyrexia with necropsy, 120
McNinch, J. H.: Case of chondromyxosarcoma,
924
Macrophage: See Phagocarte.

924
Macrophage: See Phagocytes and Phagocytosis Mad Itch: See Pseudorables Madden, S. C.: Aminoacids in plasma protein formation, 766
Maddock, S.: Effect of repeated transfusions on serum phosphatase of dogs with partial and complete billary obstruction, 766
Malaria, soluble malarial antigen, 748
Malformations: See under names of organs and regions, as Heart; etc.
Malta Fever: See Undulant Fever
Mammary Gland: See Page 120

regions, as Heart; etc.
Malta Fever: See Undulant Fever
Mammary Gland: See Breast
Manganese, relation to vitamin B<sub>1</sub>, 765
Marine, D.: Changes in interstitial cells of
testes in Gull's disease, \*65 ccurrence of spontaneous exophthalmos in adult guinea pigs, 758 Occurrence

Relation of circulating pre-Marshall, C. E.:

Marsaali, C. E.: Relation of creditating pre-cipitins to Arthus phenomenon, 270 Martos, E.: Changes in prostate caused by high frequency current, \*371 Maslow, L. A.: Changes in prostate caused by high frequency current, \*371 Mayo, C. W.: Atrophy of cremaster muscle,

Measles, case in which giant cells were observed in respiratory tract, 747 disseminated giant cell reaction; possibly pro-

dromal measles, 272
multinucleated epithelial giant cells with inclusion bodies in prodromal measles; report
of autopsy, \*386
rubeola, \*568

of autopsy, \*386
rubeola, \*568
Medlum: \*568
Medlum: \*568
Medlum: \*568
Medlum! \*568

Willis, 906 subdural or intradural hemorrhages? \*808 eningloma, 600 histologic types of, 415

multiple, with sarcomatous transition in 1 nodule, \*861

Meningitis: See also Meningococci laboratory infection with lymphocytic choriomeningitis, 911
lymphocytic choriomeningitis; its diagnosis in man, 745

man, 745
servations on children with influenzal meningitis who were treated with specific serum,

sulfanilamide and sulfapyridine, 603
tuberculous, experimental, 741
tuberculous, pathogenesis of, 122
Meningococci: See also under Meningitis
acute meningococcic inflammation of adrenals
(Waterhouse-Friderichsen syndrome), 742
offect of gestrie, ruckin on anthogenitive, 746 (Waternouse-Friedrinsen syntrome), 142 effect of gastric mucin on pathogenicity, 746 effect of sulfapyridine on viability of meningo-cocci in spinal fluid, 920 Meningoencephalitis: See Encephalitis; Menin-

gitis Menkin, V.: Mechanism of leukocytosis with

Menkin, V.: Mechanish Inflammation, 760 Meranze, D. R.: Mural endocarditis following pulmonary suppuration, 423 Mertz, E. T.: Role of thromboplastin in blood

Mertz, E. T.: Role of the clotting, 767 Mesonephroma ovarii, 598

Metabolism, studies on sex ratio; (a) metabolic gradient as conditioning factor; (b) sex ratio and resistance, 272
Methylcholanthrene, mode of action of, 265
Methylsalicylate: See under Breast
Microglia: See Neuroglia
Microglia: See Neuroglia

Micro-Organisms: See Bacteria; Fungi; Spiro-

chaeta; etc.

Microscope, magnetic electron microscope and
its use in biology, 417

Mider, G. B.: Effect of experimental neutropenia on healing of wounds. \*32

Milk, extra-chromosomal theory of breast cancer

in mice, 751

Miller, C. P.: Distribution of glycolipoidal antigen among Neisseriae, 764

Experimental infection of mice with gono-

Experimental infection of mice with gonococus, 764
Mitochondria: See Cells
Molds: See Fungi
Mongolism, microscopic study of spheno-occipital
synchondrosis in mongolism with comparison of this growth disorder with cretinism
and chondrodysplasia, 274
Monocytes: See Leukemia, monocytic
Mononucleosis, treatment of acute infectious
mononucleosis with sulfanilamide, 663

re, C. V.: Experimental hypoplastic anemia in pigeon and its utilization as basis for biologic assay of specific hemocytopoletic stimuli, 759 re, R. A.: Absorption and utilization of

re, R. A.: Absorption and utilization of vitamin K; studies in experimental animals

witamin K; Studies and and in man, 774

Benign enlargement of prostate, 423

Moos, A. M.: Preparation of purified antipneumococcus antibodies, 757

mococcus antibodies, 757

mococcus antibodies, 757

Moragues-Gonzales, homologous m tumor, 761 les, V.: Effect of heat on material from Brown-Pearce

tumor, 761
Morgan, R. H.: Causal significance to traumatic ossification of fibrocartilage in tendon inossification sertions, 274

sertions, 274

Mouth, lelomyoma of oral cavity, 101

Mucin: See Stomach

Murlin, J. R.: Influence of androgens on growth
and metastasis of Brown-Pearce epithelloms, \*777

Muscles, atrophy of cremaster muscle, \*141
influence of living omental and muscle grafts
on kidney, 767

on kidney, 767
trichinosis in Cleveland; postmortem examination of diaphragms and skeletal muscles

nation of diaphragms and skeletal muscles from 100 consecutive autopsies, 408 Myocardium: See under Heart Myocyte, Antischkow "myocyte," \*361 Myxedema, changes in interstitial cells of testes in Gull's disease, \*65 Myxoma of rabbit, \*564 soluble antigen of, 266

Narcosis: See Anesthesia

Necropsies: See Autopsies
Nedzel, A. J.: Histologic changes following vascular cular spasm in (pitressin episodes) central nervous

Negri Bodies: See Rabies

Negri Bodies: See Rables
Neisseriae: See Gonococci
Nelson, P. M.: Nature of immunity to Trichomonas foetus infection in rabbits, 761
Neoplasms: See Cancer; Sarcoma; Tumors
Nephritis: See also Albuminuria; Kidneys, diseases; Pyelonephritis
acute hematogenous interstitial nephritis, 258
and hemoglobin production in anemia, 589
classification and pathology of renal disease
in dog; comparison with nephritis in man,
\*236 \*236

\*236
study of relation between nephritis and nephrosis, 907
subacute and chronic glomerulonephritis, 257
Nephrosis: See Kidneys, diseases; Nephritis
Nerves, Cells: See Neurons
perineurial gysts of spinal nerve roots, 404
perineurial fibroblastoma rather than schwannoma; "direct staining" evidence against
Schwann cell origin, 771
Tumors: See under names of tumors, as Neurofibroma; etc.
Nervous System: See also Brain: Cerebellum:

Nervous System: See also Brain; Cerebellum;

Nerves; etc.
histologic changes following vascular spasm
in central nervous system (pitressin episodes), \*697
"silver cells" and "spirochete-like" formations

in multiple sclerosis and other diseases of central nervous system, 591 Tumors: See under names of tumors, as Neurofibroma; etc.

Neurofibroma; etc.
Neter, E.: Development of agglutinins in children with dysentery due to Shigella paradysenteriae Flexner, 418
Effect of sulfapyridine on viability of meningococci in spinal fluid, 920
Further investigations on pathogenesis of hemorrhagic necrotic lesions in intradermal pneumococcic infection of rabbits, 123
Observations on children with influenzal meningitis who were treated with specific serum.

Observations on children with influenzal meningitis who were treated with specific serum, sulfanilamide and sulfapyridine, 603

Purulent peritonitis following appendicitis due to member of typhoid bacilius group, Eberthella oedematiens, de Assis, 122

Neurofibroma, primary intramedullary neurofibroma of humerus, \*716

Neuroglia, genesis of microglia in human brain,

Neurons, perineurial cysts of spinal nerve roots,

perineurial fibroblastoma rather than schwan

permeurial morbinstonia rather than schwan-noma; "direct staining" evidence against Schwann cell origin, 771 Neutropenia: See Leukocytes, count Newborn Infants: See Infants, newborn Newcastle Disease: See under Fowl Plant Nicolas-Favre's Disease: See Lymphogranuloma

Venereum Nippostrongylus Muris: See Trichostrongylidae Noran, H. H.: Piacenta accreta, \*532; correc-Nippostro... Noran, H. H. tion, 905

Noran, H. H.: Placenta accreta, \*532; correc-tion, 905

Norval, M.: Studies on sex ratio; (a) metabolic gradient as conditioning factor; (b) sex ratio and resistance, 272

Nose, detection of virus of poliomyelitis, 262

nasal reaction of ferret to infection with virus of epidemic influenza, 107

passage of pneumococci into lymphatics, 96

## Obituaries:

Stengel, Alfred, 251

Occipital Bone, microscopic study of spheno-occipital synchondrosis in mongolism with comparison of this growth disorder with cretinism and chondrodysplasia, 274 Occupational Diseases: See Industrial Diseases

Occupational Diseases: See Industrial Diseases Old Age, elective insular (para-) amyloidosis of pancreas, 93 endocrine glands and brain in, 743 Omentum, influence of living omental and muscle grafts on kidney, 767 Optic Chiasm, rupture of aneurysm into pituitary adamantinoma, 405 Organs, organic lesions produced by polyvinyl alcohol in rats and rabbits; toxicopathologic investigation of experimental thesaurosis, \*510 Osgood, H.: Treatment of acute infectious monnucleosis with sulfanilamide, 603

logic investigation of experimental thesaurosis, \*510
Osgood, H: Treatment of acute infectious mononucleosis with sulfanilamide, 603
Ossification, action of estrogen on skeletal tissues of immature guinea pigs, \*340
causal significance to traumatic ossification of fibrocartilage in tendon insertions, 274
Osteitis deformans; use of solid carbon dioxide in preparation of gross pathologic speed-mens, \*396
fibrosa cystica and parathyroid tumors, 919

mens, 396
fibrosa cystica and parathyroid tumors, 919
Ovary: See also Gonads; Graafian Follicle
effect of estrogenic and ovariectomy on normal antibody content of serum of mature

rabbits, 917 granulosa cell tumor of, 918, 923 mesonephroma ovarii, 598 Ovum: See Eggs

Pacheco's Parrot Disease: See Psittac Pachymeningitis, Hemorrhagic: See Meninges,

hemorrhage
Paget's Disease of Bone: See Osteltis deformans
Pancreas, elective insular (para-) amyloidosis
of, 93

hypophysis and thyroid in children of diabetic mothers, 405

pancreatogenous steatorrhea in infant, 419
Papilloma, carcinogenic effect of papilloma
virus, 267

virus, 267
immunologic reactions of virus of rabbit papilloma, 103
papillary tumor of choroid plexus in newborn infant, \*390
Paralysis, Bulbar Infectious: See Pseudorabies

Paralysis, Bulbar Infectious: See Pseudorables Infantile: See Pollomyelitis Parathyroid, experimental studies of them.

experimental studies of tissue on, 741

Parathyroid, experimental studies of tissue calcification, 741
histologic study after experimental total thyroidectomy, 589
hyperparathyroidism due to parathyroid adenoma with death from parathormone [parathyroid extract] intoxication, 590
tumors and ostellis fibrosa cystica, 919
Paternity: See also Blood, groups
New Jersey provides for blood tests in paternity cases, 738

Pearce, J. M.: Cardiac lesions in rabbits produced by filtrable virus (virus III), \*827 Pearse, H. E.: Effect of experimental neutro-penia on healing of wounds, \*32

Pearse, H. E.: Effect of experimental neutropenia on healing of wounds, \*32

Penner, A.: Acute postoperative esophageal, gastric and duodenal ulcerations; further study of pathologic changes in shock, \*129

Peptic Ulcer, acute postoperative esophageal, gastric and duodenal ulcerations; further study of pathologic changes in shock, \*129

Pericarditis, fetal, \*248

Pericarditis, fetal, \*248

Pericardium, fermentable sugars (dextrose and fructose) in pericardial fluid, 604

Hodgkin's disease with invasion of pericardium and galibladder; review of literature and report of case with autopsy, \*58 tumors of heart and pericardium, 749

Perineurium: See Tissue, connective

Peritoneum: See also Omentum

Peritonitis, purulent, following appendictis due to member of typhold bacillus group, Eberthella oedematiens, de Assis, 122

Perla, D.: Effect of electrolyte disturbance on resistance to histamine, 765

Relation of manganese to vitamin B1, 765

Pertussis: See Whooping Cough

Petersen, W. F.: Studies on sex ratio: (a) metabolic gradient as conditioning factor; (b) sex ratio and resistance, 272

Petrolatum, studies in lipid pneumonia factor in phagocytes and Phagocytosis: See also Immunity; Leukocytes; Reticuloendothelial System

action of prontosil-soluble [neoprontosil] and

System tion of prontosil-soluble [neoprontosil] and sulfanilamide on phagocytic activity of ide on phagocytic activity of and on dissociation of strepto-

leukocytes coccl. 740 mechanism of immunity in tuberculosis, 912 harynx, abnormalities; pharyngeal pituitary

Pharynx, abnormalities; gland, 403

giand, 403
Phenothizzine: See Trichinosis
Phillips, F. J.: Obliteration of pleural space
following pneumonectomy, 270
Pitressin: See Pituitary Preparations

Pituitary Body, acromegaly and arterial tension, anterior pituitaries of old rats, 265

hypophysectomy in rat, 256 pancreas, hypophysis and thyroid in children of diabetic mothers, 405

of diabetic mothers, 405
pharyngeal pituitary gland, 403
rupture of aneurysm into pituitary adamantinoma, 465
suprasellar tumor in dog, 267
Pituitary Preparations, effect of gonadectomy
and administration of anterior pituitary extract on cartilage and bone of immature

and administration of anterior pituitary extract on cartilage and bone of immature guinea pigs, 739
histologic changes following vascular spasm in central nervous system (pitressin episodes), \*697
Placenta accreta, \*532: correction, 905
chorloangioma of, 418
Plasmoma, multiple, of lieum and colon, 112
Plaut, A.: Carcinoid of stomach, \*712
Pleura, obliteration of pleural space following pneumonectomy, 270
Pneumococci, antibody purification, 595
combined power and protective value of antipneumococcus rabbit antibody, 757
combined therapy for pneumococcis infections of rat; rabbit antipneumococcus serum and sulfapyridine (2-[paraaminobenzenesulfonamido]-pyridine), 755
further investigations on pathogenesis of hemorrhagic necrotic lesions in intradermal pneumococcic infection of rabbits, 123
intoxication and resistance to infection, 261
passage into lymphatics, 96
passage of type III pneumococci from blood stream into joints and certain other body cavities of rabbit, 766
pneumococcus type XIV and human red cells, 596
polysaccharides from tubercle bacilli, 410

polysaccharides from tubercle bacilli, 410 reparation of purified antibodies, 757 preparation antipneumococcus Pneumococci—Continued
surface films of antibodies and antigens, 596
viability in dried sputum, 408
Pneumoconiosis, association of silicosis and
carcinoma of lung, 750
roentgen ray diffraction analysis as applied
in, 94

roentgen ray distraction analysis in, 94
silicotic nodule, 259
Pneumonectomy: See under Lungs
Pneumonia, disseminated giant cell reaction;
possibly prodromal measles, 272
sputum studies in; effect of sulfanilamide,
756

studies in lipid pneumonia; lipid pneumonia due to cod liver oil; lipid pneumonia due to liquid petrolatum, \*613

Poisons and Poisoning: See under names of specific substances, as Ammonia and Ammonium Compounds; Uranium; etc.

Poliomyelitis, \*562. See also Encephalomyelitis detection of virus of, 262 experimental, blood stream in, 910 streptococcic precipitinogen in serum of human beings and monkeys during acute stage of, 760

Pollen: See Anaphylaxis and Allergy; Hay

Pollen: See Anaphylaxis and Allergy; Hay Fever; etc.

Polysaccharides: See Carbohydrates Polyvinyl Alcohol: See under Alcohol

Pomerantz, L.: Transplantation of tooth germ elements' to marrow cavities of tibias of kittens, \*199

kittens, \*199
Porphyrin in biology and pathology, 744
Postmortems: See Autopsies
Potassium Iodide: See Iodine and Iodine Com-

rotassium Iodide: See Iodine and Iodine Compounds
Pott's Disease: See Spine, tuberculosis
Powell, H. M.: Combined therapy for pneumococcic infections of rat; rabbit antipneumococcus serum and sulfapyridine (2[paraaminobenzenesulfonamido] - pyridine),
755

Precipitin: See also Immunity; Streptococci precipitinogen in serum prior to rheumatism,

596
relation of circulating precipitins to Arthus phenomenon, 270
Precipitinogen: See Precipitin
Pregnancy: See also Fetus
and immunity to St. Louis encephalitis, 748
effect on red cells in rat fetus of gastric juice
administered during pregnancy, 739
urine in; increased susceptibility to BrownPearce carcinoma, 101
Prizes Alvarenza prize, 400

Pearce carcinoma, 101
Prizes, Alvarenga prize, 400
American Pharmaceutical Manufacturers'
Association, 400
Amerongen prize, 400
Anna Fuller prize, 255
Theobald Smith medal and prize, 400
Prostate, benign enlargement of, 423
changes caused by high frequency current,
\*371

early phases of prostatic hyperplasia, 405 new bone formation in primary carcinoma of, \*145

of, 143) recurrent benign prostatic hypertrophy asso-ciated with carcinoma, 421 rotein: See also Aminoacids; Enzymes; etc. disaggregation of proteins by enzymes, 95 Protein :

in Blood: See Blood, proteins
passage from vascular system into joints and
certain other body cavities, 755

certain other body cavities, 755
Prothrombin: See Blood, coagulation
Pseudorables, \*563
Psittacosis, \*563
immunity to virus of, 99
Pacheco's parrot disease, \*561
Purkinje Cells: See under Brain
Purpura, haemorrhagica; experimental thrombopenic purpura, 588
Puttam T. J. Simple, method, of preparing

Purpura, haemorrhagica; experimental thrombo-penic purpura, 588

Putnam, T. J.: Simple method of preparing lantern slides of histologic specimens in 2 colors, \*598

Pyelonephritis, anatomy of pyelonephritic con-tracted kidneys, 593

Pyloric Glands: See Stomach

\*565

Hables, \*363 antirable immunization, 411 Rabson, S. M.: Prolonged hyperpyrexia with necropsy, 120 Radiations: See Roenigen Rays; Ultraviolet Rays; and under names of various dis-

Radioactivity: See also Thorium

adioactivity: See also finding absorption of radioactive iron, 758 excretion of radioactive iron in dogs, 758 magnetic electron microscope and its use in

magnetic electron iniciaes.

biology, 417
Ragle, H. E.: Filariasis of testicle and epididymis, 922
Ragweed, effect of specific treatment on serum of patients sensitive to ragweed, 921
Ramon Anatoxin: See Diphtheria, immunity;

Tetanus Rocklinghausen's Disease: See Osteitis fibrosa Recklinghausen's Disease: See Osteitis fibrosa Reichel, M.: Effect of repeated transfusions on serum phosphatase of dogs with partial and complete biliary obstruction, 766 Reichle, H. S.: Aspiration type of congenital tuberculosis, \*759 Incidence and significance of healed miliary tubercles in liver, spleen and kidneys, \*331 Respiratory Tract: See also Bronchi; Nose; Pharynx; etc. case of measles in which giant cells were observed in, 747 Diseases: See also Bronchitis; Pneumonia; etc.

piseases: See also Bronchitis; Pheumonia; etc. diseases; coryza, \*546 diseases; growth of fowl coryza bodies in tissue culture and in blood agar, 909 diseases; infectious laryngotracheitis of fowls, \*556

See also Anemer; Mononucleosis;

\*556
Reticuloendothelial System: See also A spienic; Jaundice; Liver; Mononuc Phagocytes and Phagocytosis; etc. effect of splenectomy and blockade o tective titer of antiserum against anosoma equiperdum, 596 effects of vitamin deficiency on, 589 morphology of epulls, 268 reticulosis and reticulosarcoma, 415 Reticuloendotheliosis: See Reticuloendotheliosis: See Reticuloendotheliosis: on pro-

Reticuloendothelial System

System
Reticulosarcoma and reticulosis. 415
Reticulosis: See Reticuloendothelial System
Reticulum: See Tissue, connective
Rhabdomyosarcoma of fundus uteri, 770
Rheumatic Fever, precipitinogen in serum prior
to rheumatism, 596
Rheumatism: See also Arthritis
sensitivity of rheumatic subjects to strepto-

coccal products, 597
Rickettsia: See also Typhus
innocuousness for man of rickettsia of type

R, 911
Rift Valley Fever, \*567
Rinehart, J. F.: Stability of ascorbic acid in blood, 763
Ritter, H. H.: Prolonged hyperpyrexia with necropsy, 120
Robertson, H. E.: So-called biliary cirrhosis,

\*937 Robinson, H. B. G.: Solid to cystic degenera-tion in ameloblastoma, \*207 Roentgen Rays; roentgen ray diffraction analysis as applied in pneumoconfosis, 94 Therapy: See under names of organs, re-gions and diseases Roentgenotherapy: See also under names of

Roentgenotherapy: See also under names of diseases radiosensitive and nonradiosensitive carcinoma of larynx, 103
Rokitansky, transposition of great cardiac vessels with reference to phylogenetic theory of Spitzer, \*427
Rosen, S. H.: Occurrence of spontaneous exophthalmos in adult guinea pigs, 758
Rosenow, E. C.: Streptococic precipitingen in serum of human beings and monkeys during acute stage of poliomyellits, 760
Rothbard, S.: Attempts to propagate fowl tumors produced by benzpyrene and by virus; sites of implantation used: eye of chicken and chorioallantoic membrane of chick embryo, \*212

Rottino, A.: Medial degeneration of aorta as seen in 12 cases of dissecting aneurysm, \*1 Medial degeneration of aorta; study of 210 routine autopsy specimens by serial block method, \*377

Rous Sarcoma: See under Sarcoma Rubeola: See Measles Rusch, H. P.: Production of xanthoma in rab-bits, \*163

Saccharides: See Carbohydrates

Sacrum, neurogenic tumors arising from sacrum, 752

Salmonella: See also Typhold, bacilli Salmonella Center, 738 Sandberg, M.: Effect of electrolyte disturbance on resistance to histamine, 765 Relation of manganese to vitamin B<sub>1</sub>, 765

Sanders, M.: Cultivation of viruses; critical review, \*541 Sanes, S.: Cholangioma in hepatolithiasis, 605 Pancreatogenous steatorrhea in infant, 419

Sarcoma:

arcoma: See also Anglosarcoma; Cancer; Chondromyxosarcoma; Reticulosarcoma; Rhabdomyosarcoma; Tumors; etc. attempts to propagate fowl tumors produced by benzpyrene and by virus; sites of im-plantation used: eye of chicken and chorioaliantoic membrane of chick embryo, \*212

bone sarcoma; factors influencing prognosis, 414

des Lingeris fowl sarcoma, 751
inflammation and carcinogenesis, 414
inhibition of tumors by carcinogens, 600
lymph node metastasis of, 598
multiple meningiona with sarcomatous transition in 1 nodule, \*861
neutralization of active agent of filterable fowl tumors, 750
of soft tissues, 916
of traches, 117
primary reticulum cell sarcoma of bone, 413
pyogenic filterable agent in albino rat, 407
role of skin in chicken sarcoma, 416
Rous sarcoma, \*567
sarcomatous epulis, 601
synovial, in serous bursae and tendon sheaths, 597
tumors and lymphogranuloma virus, 601

sheaths, 597
tumors and lymphogranuloma virus, 601
Sawitz, W.: Trichinella spiralis; incidence of
infection in man, dogs and cats in New
Orleans area as determined in postmortem
examinations, \*11
Schick Test: See Diphtherla
Schizophrenia: See Dementia Praecox
Schlesinger, M. J.: Carcinoma cells in thoracic
and in abdominal fluids, \*283
Schwannoma, perineurial fibroblastoma rather

and in abdominal fluids, #283
Schwannoma, perineurial fibroblastoma rather than schwannoma; "direct staining" evidence against Schwann cell origin, 771
Sclerosis: See also Arteriosclerosis
"silver cells" and "spirochete-like" formations in multiple sclerosis and other discases of central nervous system, 591
Scuderi, C. S.: Fat excretion through kidneys; experimental study, \*668
Secretions, Internal: See Endocrine Glands
Seegers, W. H.: Role of thromboplastin in blood clotting, 767
Semsroth, K. H.: Multinucleate epithelial glant cells with inclusion bodies in prodromal measles: report of autopsy, \*386
Senlity: See Old Age

measles; report of autopsy, \*386
Senility: See Old Age
Serodiagnosis: See also under names of dis-

eases

culation of alcoholic red cell extracts by fferent types of human heterogenetic different types of hemagglutinins, 99 im: See Blood

hemaggluinins, vo Serum: See Blood Sex, coronary artery disease analyzed post mortem, 403 Hormones: See Hormones, sex studies on sex ratio; (a) metabolic gradient as conditioning factor; (b) sex ratio and resistance, 272 Shaffer, M. F.: Passage of proteins from vas-cular system into joints and certain other body cavities, 755

Shaffer, M. H.—Continued
Passage of type III pneumococci from blood
stream into joints and certain other body
cavities of rabbit, 766 cavities of Sheep pox, \*569

Sheep pox, \*569
Shemin, D.: Photo-oxidation of antigens and antibodies, 757
Shigella: See Dysentery
Shock, acute postoperative esophageal, gastric and duodenal ulcerations; further study of pathologic changes in shock, \*129
Anaphylactic: See Anaphylaxis and Allergy Shwartzman Phenomenon: See Immunity

Shwartzman Phenomenon: See Immunity Slegel, L. A.: Chorioangloma of placenta, Silberberg, M.: Action of estrogen on ske tissues of immature guinea pigs, \*340 Effect of potassium iodide on bone cartilage in thyroidectomized immunities pigs. \*846 skeletal

Effect of potassium lodide on bone and cartilage in thyroidectomized immature guinea pigs, \*846

Silberberg, R.: Action of estrogen on skeletal tissues of immature guinea pigs, \*340

Effect of potassium lodide on bone and cartilage in thyroidectomized immature guinea pigs, \*846

Silicosis: See Pneumoconiosis

Skeleton: See under Bones

Skin, cellular reactions in skin, lungs and in-testine after infection with Nippostrongylus muris, 749

muris, 749
conditions in skin of tuberculous guinea pigs
as demonstrated with vital dye, 96
Diseases: See under names of diseases, as
Herpes; etc.
mode of inception and lateral spread of
certain squamous cell carcinomas, 104
role in chicken sarcoma, 416
Smallpox, cultivation of vaccinia virus in deep
columns of Maitand medium, 910
increased resistance to vaccinia due to treatment with estrogen, 755
ultracentrifugation of vaccine virus, 407, 594
variola-vaccinia, \*570
Smetana, H.: Photo-oxidation of antigens and

variola-vaccinia, \*570
Smetana, H.: Photo-oxidation of antigens and antibodies, 757
Smith, H. P.: Rate of thrombin formation in normal and in hemophilic blood, 767
Role of thromboplastin in blood clotting, 767
Smith, L. E. W.: Effect of temperature on development of chick embryo, 422
Smith, Theobald, medal and prize, 400
Societies, American Association for Advancement of Science, 587, 738
Biological Photographic Association, annual meeting, 90

## SOCIETY TRANSACTIONS:

American Society for Experimental Pathology,

Buffalo Pathological Society, 121, 418, 603,

920
Chicago Pathological Society, 270
New England Pathological Society, 274, 606
New York Pathological Society, 107, 768
Pathological Society of Philadelphia, 124, 420
Washington Society of Pathologists, 922

Sodium diphenyl hydantoinate; pharmacologic and histopathologic studies, 761 hydroxide; fat emboli in experimental sodium or ammonium hydroxide poisoning, 908 tartrate; renal function as affected by experimental lesion of 1 kidney, 256 Solotorovsky, M.: Effects of sojourn in experimentally infected room on mouse virulence of strain of group B beta hemolytic streptococcus, 756 Solowey, M.: Effects of sojourn in experimentally infected room on mouse virulence of the streptococcus, 756 Solowey, M.: Effects of sojourn in experimentally infected room on mouse virulence of

streptococcus, 756
Solowey, M.: Effects of sojourn in experimentally infected room on mouse virulence of strain of group B beta hemolytic streptococcus, 756
Specialists, Medical, Directory of, 905
Specimens, medial degeneration of aorta; study of 216 rottine autopsy specimens by serial block method, \*377
use of solid carbon dioxide in preparation of gross pathologic specimens, \*396
Spence, M. J.: Experimental transmission of endocarditis lenga, 121

endocarditis len'a, 121

Spermatic Cord, atrophy of cremaster muscle,

\*141
Sphenoid Bone, microscopic study of sphenooccipital synchondrosis in mongolism with
comparison of this growth disorder with
cretinism and chondrodysplasia, 274
Spinal Fluid: See Cerebrospinal Fluid

Spinal Fluid: See Cerebrospinal Fluid
Spine, tuberculosis; pathologic anatomy and
genesis of Pott's disease, 592
Spirochaeta, "silver cells" and "spirochaeta-like"
formations in multiple scierosis and other
diseases of central nervous system, 591
Spirochetosis, vitamin C deficiency and intestinal fusospirochetosis, \*503
Spitzer, transposition of great cardiac vessels
with reference to phylogenetic theory of
Spitzer, \*427
Spieen. incidence and significance of healed

Spitzer, \*427 en, incidence een, incidence and significance of healed millary tubercles in liver, spleen and kid-neys, \*331

neys, \*33 postmortem "silent,

neys, \*331
ostmortem weight of "normal" human spleen
at different ages, 742
silent," so-called primary tuberculosis of
spleen, 422
enectomy: See also Splenomegaly
ffect of splenectomy and blockade on protective titer of antiserum against Trypanosoma equiperdum, 596 effect soma equiperdum, 596 Splenomegaly, changes in spleen in cirrhoses,

592

592
Sprunt, D. H.: Increased resistance to vaccinia due to treatment with estrogen, 755
Spurr, C. L.: Influence of androgens on growth and metastasis of Brown-Pearce epithelioma, \*777
Sputum studies in pneumonia; effect of sulfanilamide, 756
viability of pneumococci in dried sputum, 408
Stains and Staining, conditions in skin of tuberculous guinea pigs as demonstrated with vital dye, 96

vital dye, 96

culous guinea guinea igis as demonstrated with vital dye, 96 hematoencephalic barrier, 405 "silver relis" and "spirochete-like" formations in multiple sclerosis and other diseases of central nervous system, 591 silver impregnation method for reticulum, 106 simple method of preparing lantern slides of histologic specimens in 2 colors, \*398 Staphylococci, natural and acquired immunity to staphylococcic toxin in monkeys, 754 peculiar type of hemolysis produced by Staphylococcus aureus (hemophagle staphylococcique de Muller), 595 Steatorrhea: See Feces, fat in Sternum, Puncture: See Bones, marrow Stewart, H. L.: Chronic cecal disease of laboratory rats, 758 Stomach: See also Gastrointestinal Tract cancer in digestive tract from ingestion of fat oxidized by heat, 918

cancer in digestive tract from ingestion of factoxidized by heat, 918 carcinoid of, \*712 effect on red cells in rat fetus of gastric juice administered during pregnancy, 739 gastroscopic observations in pernicious ane-

mia, 590 histologic investigation into pyloric gland organ in pernicious anemia, 590

organ in pernicious anemia, 590
mucin, effect on pathogenicity, 746
Ulcer: See Peptic Ulcer
Stomattis, vesicular, \*575
Stools: See Feces
Streptococci, action of prontosil-soluble [neoprontosil] and sulfanilamide on phagocytic
activity of leukocytes and on dissociation
of streptococci, 740
correlation between group specific substances

correlation between group specific substances and biochemical characteristics of hemolytic

streptococci, 408 fects of sojourn in experimentally infected room on mouse virulence of strain of group

B beta hemolytic streptococcus, 756
hemolytic, lethal toxins of, 411
immunization and sensitization with streptococcus, 747
sensitivity of rheumatic subjects to streptococcal products, 597
streptococcus, 750-philippo

scar products, 597 steptococcic precipitinogen in serum of human beings and monkeys during acute stage of poliomyelitis, 760

Streptococci-Continued

streptolysins, 100
toxic extracts from, 749
type-specific substance from group A hemolytic streptococci, 747
Stroud, F. K.: Multiple meningioma with sarcomatous transition in 1 nodule, \*861

Stryker, W. A.: Disseminated glant cell reac-tion; possibly prodromal measles, 272 Subdural Space: See Meninges

Sugars, fermentable sugars (dextrose and fructose) in pericardial fluid, 604 in Blood: See Blood, sugar Sulfanilamide and Sulfanilamide Derivatives, action of prontosil-soluble [neoprontosil] and sulfanilamide on phagocytic activity of leukocytes and on dissociation of strepto-

effect of su Cocci, 140
Feet of sulfapyridine on viability of meningococci in spinal fluid, 920
herapy: See Meningitis; Mononucleosis;
Pneumonia; Trichinosis; etc.

Zapyridine: See Meningitis; Sulfanilamide
and Sulfanilamide Derivatives
rargenals; Sea Adreasis

Therapy: Sulfapyridine:

Suprarenals: See Adrenals Sutro, C. J.: Histologic study of reparation of

Sutro, C. J.: Histologic study of reparation of experimentally produced defects in calvariums of rats, \*313

Transplantation of tooth germ elements to marrow cavities of tibias of kittens, \*199

Synovial Membrane, synovial sarcoma in serous bursae and tendon sheaths, 597

Syphills: See also under names of organs, regions and diseases dissecting angulysms simulating exphilitions.

dissecting simulating aneurysms heart disease with aortic regurgitation, 421

Tar Cancer: See under Cancer
Tarlov, I. M.: Perineurial fibroblastoma rather
than schwannoma; "direct staining" evidence against Schwann cell origin, 771
Teeth, solid to cystic degeneration in ameloblastoma, \*207

transplantation

ansplantation of tooth germ elements marrow cavities of tibias of kittens, \*199 Telangiectasis, pulsating angioma (generalized telangiectasia) of skin associated with hepatic disease, 403

emperature: See also Cold; Heat effect on development of chick embryo, 422 endons, causal significance to traumatic oss Temperature: Tendons, ossi-

fication of fibrocartilage in tendon insertions, 274 synovial sarcoma in serous bursae and tendon

synovial sarcoma in serous bursae and tendon sheaths, 597
Terplan, K.: Pathogenesis of tuberculous men-ingitis, 122
Testicles, changes in interstitial cells of testes in Gull's diseaso, \*65 dysgerminoma of, 272
filariasis of testicle and epididymis, 922 giant interstitial cells (Leydig cells) of testis,

463
hypophysectomy in rat, 256
Thannhauser, S.: Effect of repeated transfusions on serum phosphatase of dogs with partial and complete biliary obstruction, 766
Theca Interna: See Graafian Follicle
Thesaurosis, organic lesions produced by polyvinyl alcohol in rats and rabbits; toxicopathologic investigation of experimental

pathologic investigation thesaurosis, \*510 Thionol: See Trichinosis experimental of

Thorax: See also Heart; Lungs; Pleura; etc. carcinoma cells in thoracic and in abdominal carcinoma cell

carcinoma cells in thoracic and in addominate fluids, \*283.

Thorium dioxide, effect of thorotrast (colloidal thorium dioxide) on ependymal lining and related parts of brain, \*49

Thorotrast: See Thorium dioxide

Thrombopenia: See Purpura haemorrhagica
Thymus, malignant tumor in rabbit, 916

Thyroid: See also Goiter; Parathyroid activity, cyclic changes of, \*875

bone changes in experimental hyperthyroidism and in exophthalmic goiter, 92

Thyroid-Continued

in adrenals in experimental hyperchanges

changes in adrenals in experimental hyper-thyroidism, 257 cytology and histology in animals, \*870 effect of potassium iodide on bone and cartilage in thyroidectomized immature guinea pigs, \*846 fetal adenoma of, 922 histologic study of parathyroids after experimental total thyroidectomy, 589 histology in exophthalmic goiter and hyper-thyroidism, \*870 histophysiology of human thyroid, \*878 hypophysectomy in rat, 256 of cretin at birth, 261 pancreas, hypophysis and thyroid in children of diabetic mothers, 405

of diabetic mothers, 405 Thyroidectomy: See under Thyroid

Tibia, transplantation of tooth germ elements to marrow cavities of tibias of kittens, \*199 Ticks, cytoplasmic inclusions in engorging tick, 97

Tissue :

97
issue: See also Cells
affinities of vaccine virus, 98
changes in prostate caused by high frequency current, \*371
compact dehydrator; new device for dehydrating and embedding tissues, \*538
connective; new formation of elastic tissue in adhesions between serous membranes and in myocardial scars, \*306
connective; perineurial cysts of spinal nerve roots, 404

connective; perineurial fibroblastoma rather than schwannoma; "direct staining" evi-dence against Schwann cell origin, 771 connective; silver impregnation method for reticulum, 106

connective; silver impregnation method for reticulum, 106
culture, carcinogenic and related noncarcinogenic hydrocarbons in, 915
culture; growth of fowl coryza bodies in tissue culture and in blood agar, 909
culture; neutralization of active agent of filterable fowl tumors, 750
determination of cholesterol and cholesterol esters in tissues by Schoenheimer-Sperry method, 744
membrane formation at lipoid-aqueous interfaces in tissues; correlation of morphologic and chemical aspects, \*177
mode of action of methylcholanthrene, 265
study of rickettsiae grown on agar tissue cultures, 745
Tobacco, cancer-producing tar from tobacco, 918
Tolstoi, G.: Granulosa cell tumors of ovary, 923
Tomatoes, tomato Bushy stunt virus, 97
Tonsils, tuberculosis; its incidence and origin, 745
Trachea, sarcoma of, 117

Trachea, sarcoma of, 117
Trachoma, \*569
matrix of inclusion body of, 594

matrix of inclusion body of, 594
virus of, 409
Trasoff, A.: Mural endocarditis following pulmonary suppuration, 423
Trauma, post-traumatic (but not postfractural)
rarefaction of long bones, 114
role played in dissemination of tumor fragments by circulation; tumor studied:
Brown-Pearce rabbit epithelloma, \*851

Brown-Pearce rabbit epithelioma, \*851
traumatic epithelial cysts, 275
Trichinelia: See Trichinosis
Trichinosis, experimental, effect of sulfanilamide, phenothiazine and thionol in, 756
in Cleveland; postmortem examination of diaphragms and skeletal muscles from 100
consecutive autopsies, 408
present incidence of Trichinelia spiralis in
man as determined by study of 1,060 unselected autopsies in St. Louis hospitals, 261
Trichinella spiralis; incidence of infection in
man, dogs and cats in New Orleans area as
determined in postmortem examinations, \*11
Trichomoniasis, nature of immunity to Tricho-

Trichomoniasis, nature of immunity to Tricho-monas foctus infection in rabbits, 761
Trichostrongylidae, cellular reactions in skin, lungs and intestine after infection with Nippostrongylus muris, 749

Trypanosomiasis, effect of splenectomy and blockade on protective titer of antiserum against Trypanosoma equiperdum, 596

Trypsin injection into renal arterles, 401 Tubercle Bacilli: See also Sputum cellular reactions to defatted tubercle bacilli,

cellular reactions to tuberculoproteins,

experimental tuberculous meningitis, 741 incidence and significance of healed miliary tubercles in liver, spicen and kidneys, \*331 polysaccharides from tubercle bacilli, 410 reactions to tuberculoproteins and tuberculo-phosphatide, 410

tuberculous allergy without infection, 595 virulence of human tubercle bacilli for rabbit, 746

Tuberculin: See under Tuberculosis Tuberculoprotein: See under Tuberculosis

Tuberculosis: See also Tubercle Bacilli; and under names of various diseases, organs and regions, as Meningitis; Spleen; Tonsils;

allergy and immunity from dead tubercle bacilli in vegetable oil, 913 allergy without infection, 595

conditions in skin of tuberculoproteins, 96 conditions in skin of tuberculous guinea pigs as demonstrated with vital dye, 96 congenital, aspiration type of, \*799

congenital, aspiration type of, \*799
experimental, allergy and immunity in, 913
incidence and significance of healed miliary
tubercles in liver, spleen and kidneys, \*331
infectivity of primary complex of, 594
mechanism of immunity in, 912
metastatic lesions from tubercle bacilli in
paraffin, 911
prevention of hypersensitivity in, 409
pulmonary, accepted and disputed concepts in
pathology of, \*719
pulmonary arterial aneurysm in tuberculous

pathology or, 7/19 pulmonary arterial aneurysm in tuberculous cavities, 906 pulmonary; epituberculosis, 260 pulmonary, sclerotic and so-called interstitial forms of, 743 reactions to tuberculoproteins and tuberculo-

phosphatide, 410

phosphatide, 410
tuberculin protein and polysaccharide molecules, 98
Tumors: See also Adenoma; Ameloblastoma;
Angioma; Cancer; Epithelioma; Fibroma;
Glioma; Meningioma; Myxoma; Papilloma;
Sarcoma; etc.; and under names of organs
and regions, as Bones; Heart; Lungs;
Ovary; Testicles; etc.
action of colchicine on transplanted malignant
neoplasm. 264

action of colchicine on transplanted malignant neoplasm, 264
Amyloid: See Amyloidosis antigenic basic of tumor transplantation, 414 comparison of virus-induced tumors with tar tumors, 916

cysteine hydrochloride in treatment of animal tumors, 102
res and foreign proteins in normal and malignant tissues, 914

effect of diet on tumors induced by ultraviolet light, 915 freeing Walker tumor from contaminating

freeing freeing Walker tumor from contaminating bacteria, 412 glomus tumor, 749 heterologous transplantation of rabbit tumors,

762

mice, 600

in mice, 600
inhibition by carcinogens, 600
leukemia and other neoplastic diseases, 101
malignant, following prolonged administration
of estrogenic hormones, 416
morphology of epulis, 268
neoplasm of monocytes, 266
neurogenic, arising from sacrum, 752
nomenclature; suggestions for its revision, 916
production in mice with ultraviolet irradiation,
750

spontaneous, of rabbits and their transplanta-tion in same and in alien species, 115 vitamin A and tumor mitochondria, 266

Twins, body build and heart size, 741

cervical polyps in both of presumably identical twins, \*246
true cor biloculare in identical twins, 590
Typhold, bacilli; nutritional requirements of Salmonellas, 910
bacilli, progress in study of, \*71; correction,

496

bacilli, protection against, 913
bacilli, V1 antigen of, 589
Typhus, study of rickettslae grown on agar
tissue cultures, 745
survival of Rickettsla prowazeki in lice, 264

Ulcers: See Peptic Ulcer; and under names of

Ultraviolet Rays, effect of diet on tumors in-duced by ultraviolet light, 915

tumor production in mice with ultraviolet irradiation, 750 Undulant Fever: See also Bacteria, abortus and melitense group

general reaction to intravenous injection of melitin, 100

Uranium, poisoning; fat excretion through kid-neys; experimental study, \*668 Urine: See also Pregnancy, urine in effect of sex hormones on renal excretion of electrolytes, 91 excretion of radioactive iron in dogs, 758

extractives in cancer, 750 fat excretion through kidneys; experimental study, \*668

Uterus, carcinoma of uterine cervical canal, 752 cervical polyps in both of presumably identical twins, \*246 changes produced by estrogen, 914 growth processes induced by estrogenic

growth processes induced hormones, 102 hyaline adenoma of cervix, 920

multiple uterine and extragenital tumors pro-duced by estradiol benzoate, 918 rhabdomyosarcoma of fundus uteri, 770 uterine adenoma in rabbit, 917

Vaccinia: See Smallpox

Vagina, changes produced by estrogen, 914
Variola: See Smallpox
Vaughan, S. L.: Treatment of acute infectious
mononucleosis with sulfanilamide, 603
Veins: See Blood vessels; Embolism; Thrombosis; Vena Cava

a Cava, sclerosis of superior vena cava in chronic congestive heart failure, \*22 Vertebrae: See Spine

Viruses: See also under Herpes; Influ Poliomyelitis; Psittacosis; Smallpox; Influenza;

Poliomyellits; restateous, choma; etc.
attempts to propagate fowl tumors produced by benzpyrene and by virus; sites of implantation used: eye of chicken and chorioallantoic membrane of chick embryo, \*212 carcinogenic effect of papilloma virus, 267 carcinoma in frogs; its etiologic relation to virus and its habits of growth in vivo and in vitro, 109

in vitro, 109 carcinoma in leopard frog, 413

cardiac lesions in rabbits produced by filtrable virus (virus III), \*827 comparison of virus-induced tumors with tar tumors, 916

tumors, 916
cultivation of; critical review, \*541
filterable tumors in fowls induced by tar, 918
immunologic reactions of virus of rabbit
papilloma, 103
Kikuth's canary virus, \*559
pyogenic filterable agent in albino rat, 407
standards for cultivation of, \*541
tissue affinities of vaccine virus, 98
tomato Bushy stunt virus, 97
virus and hesterial infection of chick embryo.

virus and bacterial infection of chick embryo,

virus disease of cats, 909 virus III, \*575 Viscera: See also Abdomen genetics of transposition of, 93

-Continued Viscera-

intracapillary microscopic metastatic mam-mary gland carcinoma of lungs and other viscera, \*865

Vitamins, A, and tumor mitochondria, 266
B1, relation of manganese to, 765
C deficiency and intestinal fusospirochetosis,
\*563

\*503
C; stability of ascorbic acid in blood, 763
corneal vascularization in riboflavin lack, 402
deficiency, effects on reticuloendothelial system, 589

deficiency; nutritional cytopenia in monkey, 401

K, absorption and utilization of; studies in experimental animals and in man, 774

Wangensteen, O. H.: Experimental proof of obstructive origin of appendicitis in man, 759

Ward, H.: Further investigations on pa genesis of hemorrhagic necrotic lesions intradermal pneumococcic infection

rabbits, 123
Warner, E. D.: Rate of thrombin formation in normal and in hemophilic blood, 767

normal and in hemophilic blood, 767
Warren, S. L.: Role played by trauma in dissemination of tumor fragments by circulation; tumor studied: Brown-Pearce rabbit
epithelioma, \*851
Wartman, W. B.: Chemotropism of human
eosinophilic polymorphonuclear leukocytes,
\*318

Wasseen, M.: Experimental transmission of endocarditis lenta, 121

Waterhouse-Friderichsen Syndrome: See Adrenals, hemorrhage

l, A. J.: Combining power and protective value of antipneumococcus rabbit antibody, 757 Well. A.

757
Progress in study of typhoid bacillus, \*71;
correction, 426
Weil's Disease: See Jaundice, spirochetal
Weinberg, T.: Sarcoma of trachea, 117

Weintraub, D. H.: Effect of sulfapyridine on viability of meningococci in spinal fluid, 920 Weiss, C.: Natural and acquired immunity to staphylococcic toxin in monkeys, 754

Wheelock, M. C.: Aspiration type of congenital tuberculosis, \*799

Whooping Cough, infection in mouse following intratracheal inoculation of atypical per-tussis organism, 910

Wieder, S.: Progress in study of typhoid bacillus, \*71; correction, 426 Willis' Circle: See under Brain

Winternitz, M. C.: Annual Gross lecture; fur-ther studies on pathogenesis of vascular ther studies disease, 124

Arteriosclerosis, 278 Witebsky, E.: Further investigations on patho-genesis of hemorrhagic necrotic lesions in intradermal pneumococcic infection of rab-

hits, 123
Woolsey, F. M.: Vitamin C deficiency and intestinal fusospirochetosis, \*503
Work, J. L.: Incidence and significance of healed miliary tubercles in liver, spleen and kid-

miliary tubercles and significant of health neys, \*331 unds, effect of experimental neutropenia on healing of, \*32 Wounds,

Xanthoma, production in rabbits, \*163 Xeroderma pigmentosum, 118

Yeast, effect of 1, 2, 5, 6-dibenzanthracene on growth of, 745 Yellow Fever, \*576

Zimmerman, H. M.: Lesions of nervous system in hyperinsulinism, 276 Zucker, T. F.: Adrenal cortex and hypoglycemia, 763

